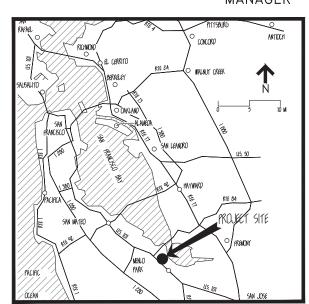
## UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of

Construction contractor agrees that in accordance with generally accepted construction practices, construction con ractor will be required to assume sole and complete respontractor will be required to assume sole and complete respon— sibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of design professional.

#### BOARD OF DIRECTORS

EDWARD P. MORITZ FRAN DEHN DAVID WALKER ROY THIELE-SARDIÑA PHIL SCOTT

PRESIDENT **SECRETARY TREASURER** DIRECTOR DISTRICT **MANAGER** 



### REGIONAL LOCATION NTS

### **LEGEND**

	SANITARY SEWER TO BE INSTALLED		EXISTING JOINT POLE/	1
	EXISTING SANITARY SEWER	G	EXISTING GAS VALVE	
<u>SS_LAT</u>	EXISTING LATERAL	W	EXISTING WATER VALVE	M
	EXISTING GAS LINE	WM	EXISTING WATER METER	_
O.H.	EXISTING ELECTRICAL LINE OVER HEAD	CO	EXISTING CLEAN OUT	#
	EXISTING WATER LINE		EXISTING FIRE HYDRANT	/ /
	EXISTING STORM DRAIN	S/D	EXISTING SEWER/ STORM DRAIN MANHOLE	7
	ROLLED CURB AND GUTTER	ELEC	EXISTING ELECTRICAL PULL BOX	$T_{i}$
	CURB AND GUTTER		EXISTING CATCH BASIN	
		0	TRAFFIC SIGN	
			EXISTING BUILDING/STRUCTU	RE

## WEST BAY SANITARY DISTRICT

SAN MATEO COUNTY

## BELLE HAVEN SEWER PROJECT PHASE II

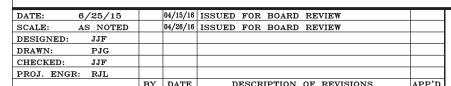
REPLACEMENT AND CONSTRUCTION OF SANITARY SEWER MAINS

		<u>IND</u>	DEX OF DRAWINGS		NI
Del	SHEET #	DESCRIPTION	SHEET #	DESCRIPTION	3. Si
Del Norte Avenue	0	COVER SHEET	27	PLAN & PROFILE - EASEMENT (ALMANOR/MENLO OAKS)	SA
Avenue	1	INDEX MAP		STA: 0+00 - 3+48	IM DE
	2	PLAN & PROFILE - EASEMENT (CAR	•	PLAN & PROFILE - EASEMENT (NEWBRIDGE/IVY) STA: 0+00 - 4+50	4.
True	3	STA: ( PLAN & PROFILE - EASEMENT (CARI	0+00 - 3+50 LTON/MADERA) 29	PLAN & PROFILE - EASEMENT (NEWBRIDGE/IVY) STA: 4+50 - 9+00	P/
April	4	STA: 3 PLAN & PROFILE - EASEMENT (CARI	3+50 - 7+50 LTON/MADERA) 30	PLAN & PROFILE - EASEMENT (NEWBRIDGE/IVY) STA: 9+00 - 13+47	5. AF
Pungs Me	5	STA: 7 PLAN & PROFILE - EASEMENT (MAD	7+50 - 11+03 ERA/SEVIER) 31	PLAN & PROFILE - EASEMENT (MARKET/PIERCE)	A1 SE
Ringwood Avenue	6	STA: ( PLAN & PROFILE - EASEMENT (MAD	0+00 - 5+00 PERA/SEVIER) 32	STA: 0+00 - 4+19 PLAN & PROFILE - DEL NORTE AVENUE STA: 0+00 - 3+00	EN PL
Morkes Hill R	7	STA: 5 PLAN & PROFILE - EASEMENT (SEVI	5+00 - 10+24 IER/HOLLYBURNE) 33	PLAN & PROFILE - DEL NORTE AVENUE STA: 3+00 - 6+19	6.
3	8	STA: ( PLAN & PROFILE - EASEMENT (SEVI	0+00 - 5+00 IER/HOLLYBURNE)	PLAN & PROFILE - TERMINAL AVENUE STA: 0+00 - 2+65	TH FII
o o o o o o o o o o o o o o o o o o o	9	STA: 5	5+00 - 9+99 LYBURNE/WINDERMERE)	PLAN & PROFILE - TERMINAL AVENUE STA: 0+00 - 4+50	7. Ti
	10	STA: ( PLAN & PROFILE - EASEMENT (HOLI	0+00 - 2+50 LYBURNE/WINDERMERE)	PLAN & PROFILE - TERMINAL AVENUE STA: 4+50 - 9+05	8. C
Con Conversa	11	STA: 2 PLAN & PROFILE - EASEMENT (HOLI	2+50 - 7+00 LYBURNE/WINDERMERE)	PLAN & PROFILE - TERMINAL AVENUE STA: 0+00 - 2+55	SE
Alamanor Avenue		STA: 7	7+00 - 9+85 38	PLAN & PROFILE - TERMINAL EASEMENT (WEST)	9. CI
The little was a second of the little was a seco		PLAN & PROFILE - IVY EASEMENT ( STA: (	0+00 - 0+80	STA: 0+00 - 3+28 PLAN & PROFILE - TERMINAL EASEMENT (EAST)	BE
Berkeley A Roseman bt		PLAN & PROFILE - IVY EASEMENT (		STA: 0+00 - 1+33	CC
Berkeley Avenue	12	PLAN & PROFILE - EASEMENT (HOLI	LYBURNE/WINDERMERE)	PLAN & PROFILE - BIEBER EASEMENT STA: 0+00 - 2+92	AP SI
College Colleg	13	STA: ( PLAN & PROFILE - EASEMENT (HOLI	0+00 - 3+50 40 LYBURNE/WINDERMERE)	PLAN & PROFILE - ALLEY (PLUMAS) STA: 0+00 - 2+13	Bì
leight of the control	14	•	3+50 - 7+50	PLAN & PROFILE - EASEMENT (PLUMAS/HAMILTON) STA: 0+00 - 1+84	OE W
Forniton venderson	.,	•	7+50 - 12+06 41	PLAN & PROFILE - MARKET PLACE (WEST) STA: 0+00 - 1+61	AI Ah
Henderson Avenue	15	PLAN & PROFILE - EASEMENT (WINE STA: (	DERMERE/HENDERSON) 0+00 – 5+00	PLAN & PROFILE - MARKET PLACE (EAST) STA: 0+00 - 1+65	12 OF Ma
	16	PLAN & PROFILE - EASEMENT (WIND STA: 5	DERMERE/HENDERSON) 42 5+00 - 10+00	PLAN & PROFILE - TERMINAL EASEMENT (EAST) STA: 0+00 - 1+86	13 Pl
Hollyburne Avenue	17	PLAN & PROFILE - HENDERSON AVE STA:	ENUE 10+00 – 13+46	PLAN & PROFILE - TERMINAL EASEMENT (WEST) STA: 0+00 - 1+28	SC RE TI
Avenue	18	PLAN & PROFILE - EASEMENT (HEN		PLAN & PROFILE - EASEMENT (HILL/MODOC) STA: 0+00 - 2+03	14 H(
Hollyburne Avenue		PLAN & PROFILE - EASEMENT (HEN	DERSON/WINDERMERE)	PLAN & PROFILE - HAMILTON EASEMENT (NORTHEAST) STA: 0+00 - 0+52	E) Sł Pl
io venue	19	PLAN & PROFILE - EASEMENT (WIND		PLAN & PROFILE - HAMILTON EASEMENT (SOUTHWEST) STA: 0+00 - 0+59	15 Di
Sevier Avenue	20	STA: ( PLAN & PROFILE - NOT USED	0+00 - 5+95 44	PLAN & PROFILE - MODOC EASEMENT) STA: 0+00 - 1+14	16 B/
venue	24	DIAN & DROFILE FACTMENT (HEN	DEDCON (HAMILTON)	PLAN & PROFILE - MODOC EASEMENT (SOUTHWEST) STA: 0+00 - 0+59	RE
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Cariton Avenue	22	PLAN & PROFILE - EASEMENT (HEN STA: (	DERSON) 0+00 - 3+50 45	STA: 0+00 - 0+51 PLAN & PROFILE - EASEMENT (HAMILTON/TERMINAL)	AF 18
Cariton Avenue	23	PLAN & PROFILE - EASEMENT (HEN	DERSON) 3+50 - 6+62 46	STA: 0+00 - 1+56 PLAN & PROFILE - EASEMENT (TERMINAL)	M/ EN UI
Willow Road	24	PLAN & PROFILE - EASEMENT (HEN		STA: 0+00 - 4+50 PLAN & PROFILE - MODOC AYENUE	TC
		PLAN & PROFILE - EASEMENT (HAM	IILTON) 48	STA: 4+50 - 8+70 PLAN & PROFILE - EASEMENT (MODOC/HAMILTON)	19 FR SH PR EA
Sgratogg Avenue	25	PLAN & PROFILE - EASEMENT (HEN		STA: 0+00 - 1+36 PLAN & PROFILE - EASEMENT (MODOC/HAMILTON)	
MEMIC DIDY	25		0+00 - 5+85 KELEY (ALMANOP)	STA: 0+00 - 1+28	LC FC
MENLO PARK <u>Vicinity location nts</u>	26	PLAN & PROFILE - EASEMENT (BERI STA: (	KELEY/ALMANOR) 49 0+00 - 5+63 50	DETAIL SHEET #1 DETAIL SHEET #2	S/
HOMEL LOCATION 113			50	DETRIE SHEET #2	Αl

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#### **GENERAL NOTES:**

- 1. THE FOLLOWING NOTES ARE ESTABLISHED MERELY TO GUIDE THE CONTRACTOR AS TO THE GENERAL ITEMS OF WORK INVOLVED AND ARE NOT INTENDED TO COVER COMPLETE SCOPE OF WORK. THE CONTRACTOR SHALL COMPLETE ALL WORK AS PER CONSTRUCTION PLANS AND
- 2. CONTRACTOR AGREES THAT THEY SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY 2. CONTRACTOR AGREES THAT INEIT STALL ASSOME SOLE AND COMPLETE RESPONSIBILITY FOR JOB STEEL CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND HOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE REVOILED.
- 3. ALL SANITARY SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS, THE SPECIAL TECHNICAL PROVISIONS AND THE STANDARD SPECIFICATIONS OF THE WEST BAY SANITARY DISTRICT. ALL WORK NOT SPECIFICALLY COVERED IN THE STANDARD SPECIFICATIONS OF WEST BAY SANITARY DISTRICT AND THE SPECIAL TECHNICAL PROVISIONS FOR THESE IMPROVEMENTS SHALL BE DONE IN ACCORDANCE WITH THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, LATEST EDITION.
- 4. THE WORK SHOWN ON THESE PLANS IS WITHIN THE JURISDICTION OF THE CITY OF MENLO PARK AND TOWN OF ATHERTON, AND SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS AND THE REQUIREMENTS OF THE ENCROACHMENT PERMITS.
- 5. THE LOCATIONS AND TYPES OF EXISTING LITHLITIES SHOWN ON THE IMPROVEMENT PLANS ARE BASED ON INFORMATION FURNISHED BY SERVICING AGENCIES AND IS TO BE SUPPLEMENTED BY ACTUAL FIELD INVESTIGATION AND VERIFICATIONS BY CONTRACTOR. ATTENTION IS DIRECTED TO VERIFICATIONS OF DEPTHS AND EXACT LOCATIONS OF EXISTING SERVICES WHETHER SHOWN ON THE PLAN OR NOT AND THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PRESERVE AND AVOID DAMAGES TO EXISTING UTILITIES. ENCOUNTERED. NOTE: EXISTING UTILITY SERVICES TO HOUSES ARE NOT SHOWN ON THE PLANS. CONTRACTOR SHALL NOTIFY PG&E, AT&T, CALIFORNIA WATER AND UNDERGROUND SERVICE ALERT (USA) AT (800) 642-2444, PRIOR TO ANY FIELD INVESTIGATION.
- 6. BEDDING MATERIAL SHALL BE AN IMPORTED VIRGIN GRANULAR MATERIAL FREE FROM VEGETABLE MATTER AND OTHER ORGANIC SUBSTANCES AND SHALL BE OF SUCH NATURE THAT IT CAN BE COMPACTED READILY UNDER WATERING, ROLLING AND TAMPING TO FORM A FIRM AND STABLE BASE. BEDDING MATERIAL SHALL CONFORM TO THE GRADATION REQUIREMENTS SHOWN ON THE DETAIL DRAWING.
- 7. RELATIVE COMPACTION AND IN-PLACE DENSITY SHALL BE DETERMINED AS DEFINED BY
- 8. EXISTING FLOWS MUST BE MAINTAINED BY CONTRACTOR AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY PROPERTY OWNERS OF ANY INTERRUPTION OF SEWER SERVICES PRIOR TO ANY WORK ON EXISTING SEWER PIPES. SEWAGE FLOWS SHALL BE
- 9. ALL EXISTING IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO LANDSCAPING, DRIVEWAYS, CURB, GUTTER, SIDEWALK, CULVERTS, DRAINS, STRIPING (PAINTED OR THERMOPLASTIC) AND MONUMENTS. SHALL BE RESTORED TO THE CONDITION IN WHICH THEY WERE OR BETTER MONOMENTS, STALL BE RESTORED TO THE CONDITION IN WHICH THE MERE OF BI BEFORE THE EXCAVATION WAS MADE. PAYMENT FOR RESTORATION OF EXISTING IMPROVEMENTS TO THEIR ORIGINAL CONDITION WILL NOT BE MADE AND SHALL BE CONSIDERED AS INCLUDED IN THE VARIOUS CONTRACT ITEMS OF WORK INVOLVED.
- 10. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT PROVISIONS OF FEDERAL STATE. AND LOCAL CODES AND REGULATIONS IN REGARD TO TRAFFIC CONTROL. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN PRIOR TO THE START OF WORK TO BE APPROVED BY THE DISTRICT AND THE LOCAL JURISDICTION.
- 11. THE CONTRACTOR SHALL CONDUCT THEIR OPERATION AS TO OFFER THE LEAST POSSIBLE OBSTRUCTION AND INCONVENIENCE TO THE PUBLIC. THROUGHOUT THE PERFORMANCE OF THE WORK, OR IN CONNECTION TO THIS CONTRACT, THE CONTRACTOR SHALL CONSTRUCT AND ADEQUATELY MAINTAIN SUITABLE AND SAFE CROSSINGS OVER TRENCHES, DRIVEWAY ACCESS AND SUCH DETOURS AS ARE NECESSARY TO CARE FOR PUBLIC PEDESTRIAN TRAFFIC.
- 12. CONTRACTOR SHALL CONFORM TO ALL APPLICABLE OSHA RULES, REGULATIONS, AND ORDERS ESTABLISHED BY FEDERAL AND STATE AGENCIES BEFORE ENTERING SANITARY SEWER
- 13. IF THE CONTRACTOR PLANS TO USE MACHINERY WITH TRACKS, PLYWOOD SHALL BE PLACED IN FRONT AND/OR BACK OF THE MACHINE (DEPENDING ON THE TRAVEL DIRECTION), SO THAT SURFACE DESTRUCTION IS AVOIDED. ANY SURFACE DESTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE DISTRICT, TO THE SATISFACTION OF
- 14. THE REPLACEMENT OF SEWER MAINS SHALL BE CONSTRUCTED AT THE DESIGNED HORIZONTAL ALIGNMENT AND THE PROPOSED GRADE (DEPTH) AS SHOWN ON THE PLANS. THE EXISTING SEWER MAINS SHALL BE USED AS STATIONING CONTROL LINE. THE CONTRACTOR SHOULD BE ALERTED TO THE NEED FOR EXCAVATION BELOW EXISTING PIPE INVERT FOR PLACEMENT OF BEDDING MATERIALS AS SHOWN ON THE DETAIL DRAWINGS.
- 15. CONCRETE FOR MANHOLES SHALL MEET THE REQUIREMENTS OF CLASS 1 CONCRETE AS DEFINED IN CALTRANS STANDARD SPECIFICATIONS, LATEST EDITION.
- 16. CONTRACTOR SHALL PROVIDE PUMPS OR OTHER MEANS TO PREVENT SEWER WASTE BACKUP DUE TO THEIR WORK ON THE ENISTING SEVERS. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND DAMAGES CAUSED BY THEIR NEGLIGENCE, AND SHALL PAY ANY FINES DUE TO THEIR NEGLIGENCE.
- 17. PRIOR TO THE START OF SEWER CONSTRUCTION, THE CONTRACTOR SHALL PERFORM BYPASSING OPERATIONS. CONSTRUCTION CAN NOT BEGIN UNTIL BYPASSING OPERATIONS ARE
- 18. THE CONTRACTOR SHALL AT ALL TIMES HAVE AT THE JOB SITE SUFFICIENT PUMPING MACHINERY READY FOR IMMEDIATE USE. THE TRENCHES AND EXCAVATIONS SHALL BE KEPT ENTIRELY FREE OF WATER WHILE CONCRETE IS BEING POURED OR PIPE IS BEING LAID AND UNTIL CONCRETE OR MORTAR HAS SET HARD. WATER SHALL BE DISPOSED OF IN SUCH A MANNER AS WILL NOT CAUSE INJURY TO PUBLIC OR PRIVATE PROPERTY, NOR BE A MENACE
- 19. ALL PROPERTY LINES SHOWN ARE APPROXIMATED FROM ASSESSORS PARCEL MAPS OR FROM RECORD INFORMATION, AND THEIR LOCATION MAY NOT BE EXACT. THE PROPERTY LINES SHALL BE USED AS REFERENCE TO LOCATE SERVICE LATERAL CONNECTION TO EACH PROPERTY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE EXACT LOCATION OF
- 20. THE NUMBER OF LATERALS SHOWN ON THE PLANS IS BASED ON T.V. INVESTIGATION LOGS, WHICH MAY INCLUDE BOTH LIVE AND DEAD LATERALS. FINAL NUMBERS TO BE USED FOR PAYMENT IS THE NUMBER OF LIVE LATERALS CONNECTED. THE CONTRACTOR SHALL SAWCUT THE ABANDONED LATERALS AT THE EDGE OF THE TRENCH AND PLUG THEM IN ACCORDANCE WITH THE DISTRICT'S STANDARDS.





WEST BAY SANITARY DISTRICT

SAN MATEO COUNTY

PROJECT No. 1758.5



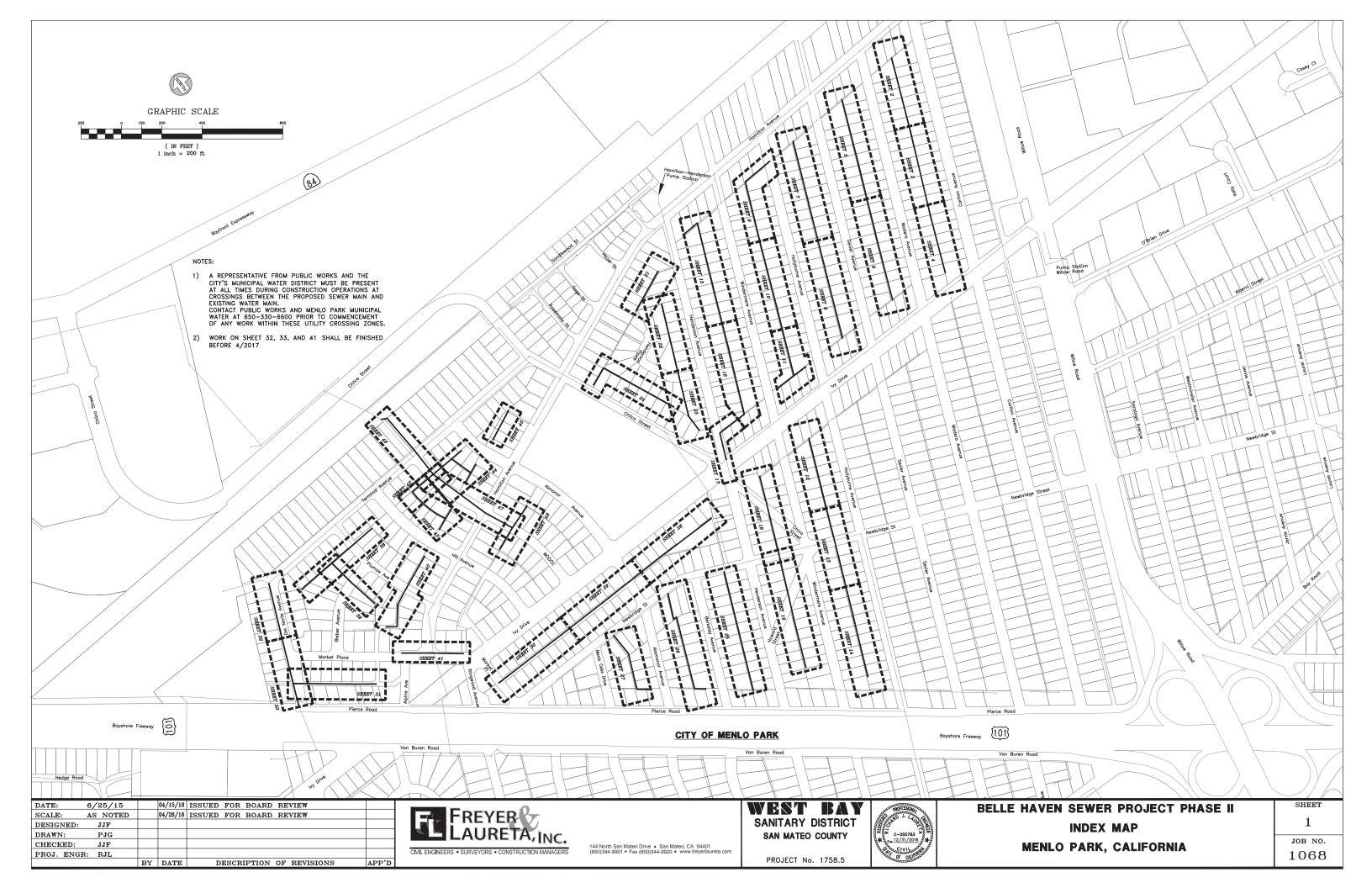
### BELLE HAVEN SEWER PROJECT PHASE II **COVER SHEET**

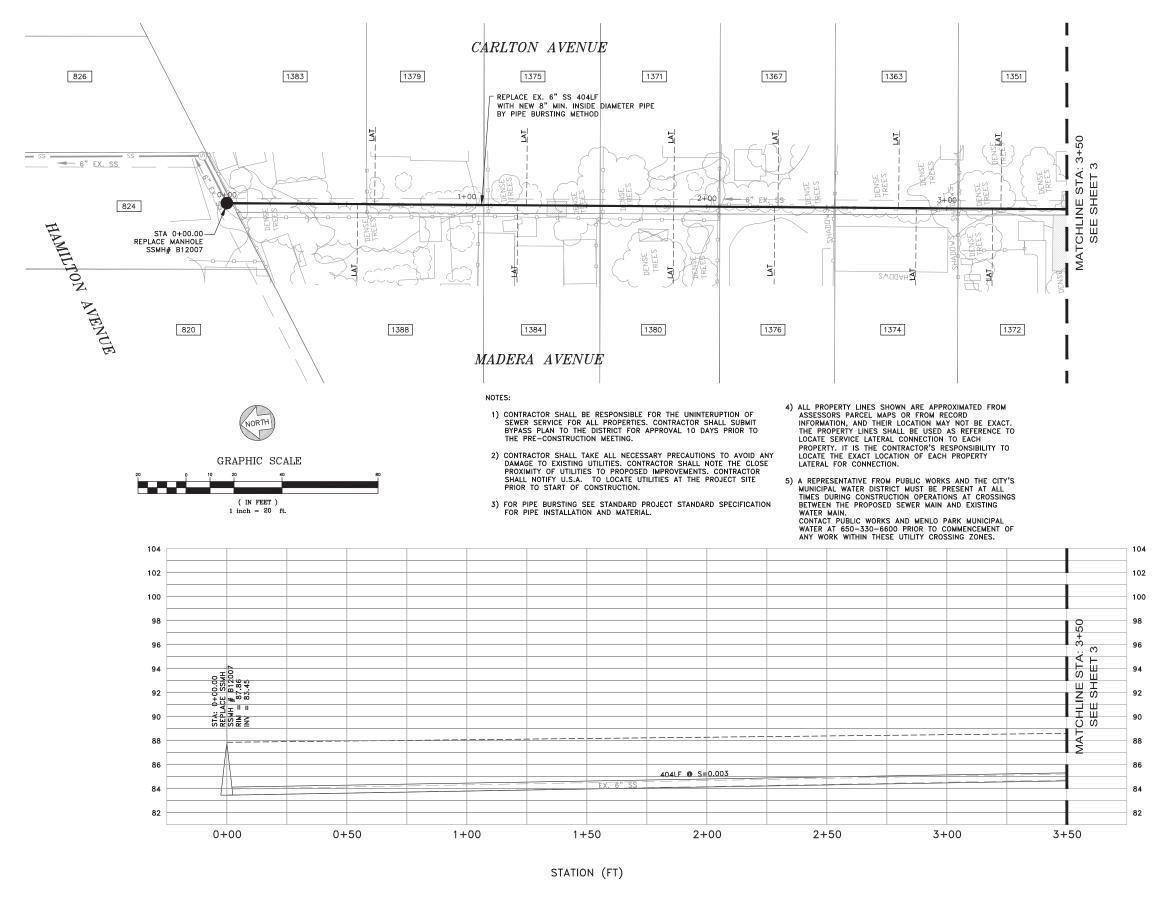
**MENLO PARK, CALIFORNIA** 

SHEET 0

JOB NO.

1068





DATE: 6/25/15		04/15/16	ISSUED FOR BOARD REVIEW	
SCALE: AS NOTED		04/26/16	ISSUED FOR BOARD REVIEW	
DESIGNED: JJF				
DRAWN: PJG				
CHECKED: JJF				
PROJ. ENGR: RJL				
	BY	DATE	DESCRIPTION OF REVISIONS	APP'D



WEST BAY
SANITARY DISTRICT

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SANITARY DISTRICT
SAN MATEO COUNTY

PROJECT No. 1758.5



BELLE HAVEN SEWER PROJECT PHASE II

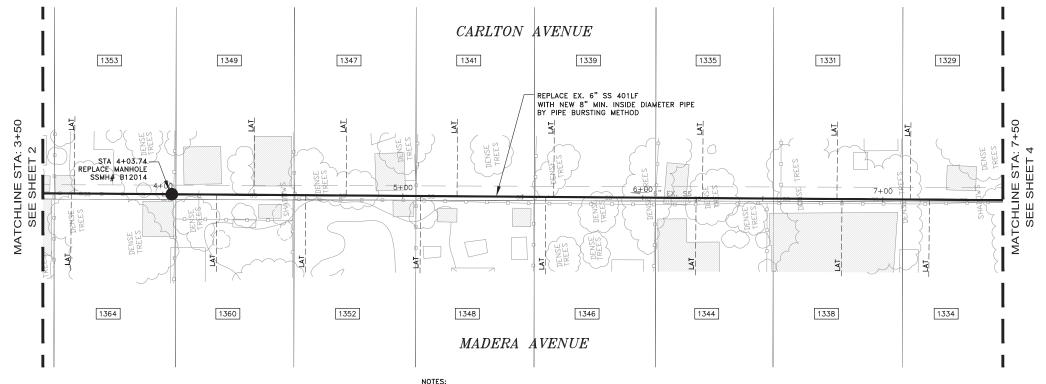
EASEMENT BETWEEN CARLTON AVE & MADERA AVE

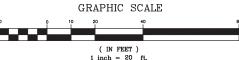
MENLO PARK, CALIFORNIA

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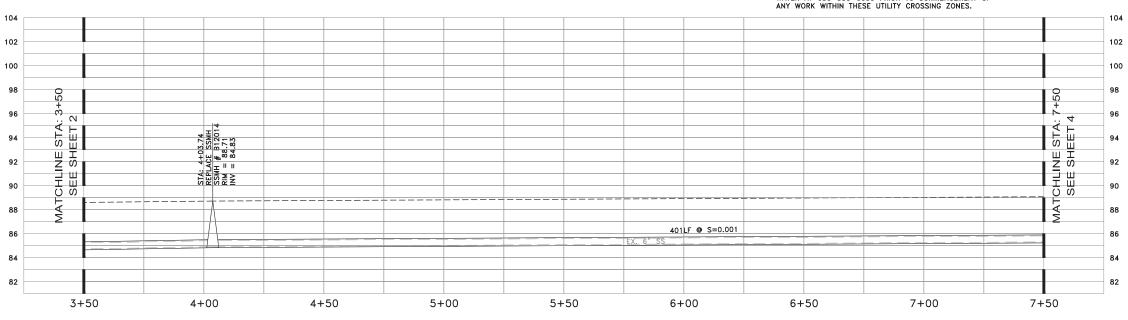
PROFILE VIEW
HORIZ: 1" = 20'
VERT: 1" = 4'

јов NO. 1068





- 1) CONTRACTOR SHALL BE RESPONSIBLE FOR THE UNINTERUPTION OF SEWER SERVICE FOR ALL PROPERTIES. CONTRACTOR SHALL SUBMIT BYPASS PLAN TO THE DISTRICT FOR APPROVAL 10 DAYS PRIOR TO THE DRY CONSTRUCTION OF THE PROPERTY.
- 2) CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID ANY DAMAGE TO EXISTING UTILITIES. CONTRACTOR SHALL NOTE THE CLOSE PROXIMITY OF UTILITIES TO PROPOSED IMPROVEMENTS. CONTRACTOR SHALL NOTIFY U.S.A. TO LOCATE UTILITIES AT THE PROJECT SITE PRIOR TO START OF CONSTRUCTION.
- 3) FOR PIPE BURSTING SEE STANDARD PROJECT STANDARD SPECIFICATION FOR PIPE INSTALLATION AND MATERIAL.
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- 5) A REPRESENTATIVE FROM PUBLIC WORKS AND THE CITY'S MUNICIPAL WATER DISTRICT MUST BE PRESENT AT ALL TIMES DURING CONSTRUCTION OPERATIONS AT CROSSINGS BETWEEN THE PROPOSED SEWER MAIN AND EXISTING WATER MAIN.
  CONTACT PUBLIC WORKS AND MENLO PARK MUNICIPAL
  WATER AT 650-330-6600 PRIOR TO COMMENCEMENT OF



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DATE: 6/25/15 04/15/16 ISSUED FOR BOARD REVIEW AS NOTED SCALE: 04/26/16 ISSUED FOR BOARD REVIEW DESIGNED: JJF DRAWN: PJG CHECKED:  $_{
m JJF}$ PROJ. ENGR: RJL DESCRIPTION OF REVISIONS APP'D BY DATE



WEST BAY SANITARY DISTRICT

SAN MATEO COUNTY

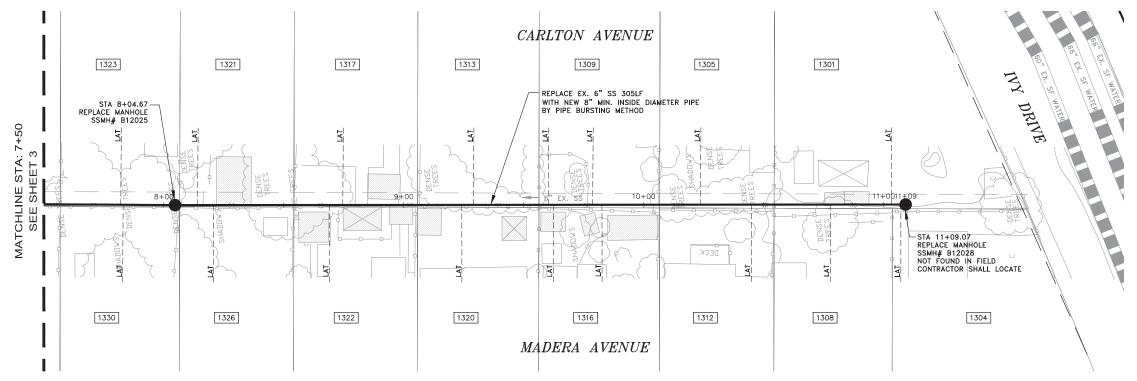
PROJECT No. 1758.5



**BELLE HAVEN SEWER PROJECT PHASE II EASEMENT BETWEEN CARLTON AVE & MADERA AVE MENLO PARK, CALIFORNIA** 

SHEET 3 JOB NO.

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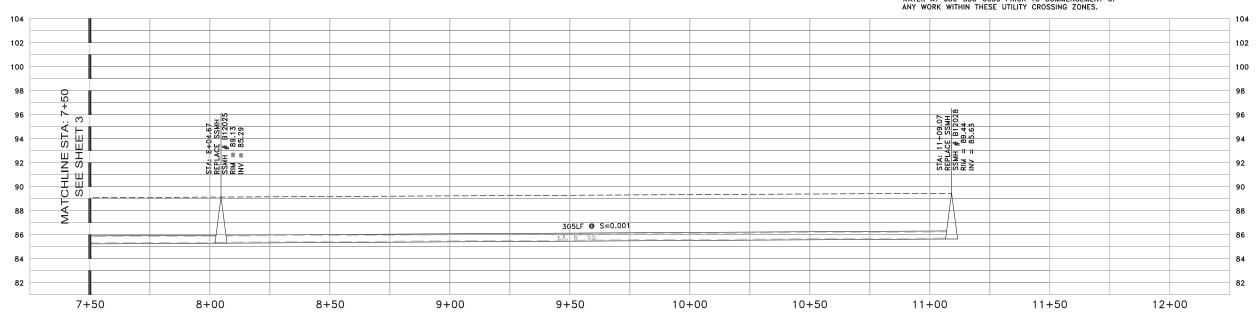




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  CONTACT PUBLIC WORKS AND MENLO PARK MUNICIPAL WATER AT 650-330-6600 PRIOR TO COMMENCEMENT OF



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WEST BAY
SANITARY DISTRICT

PROJECT No. 1758.5

ANITARY DISTRICT
SAN MATEO COUNTY

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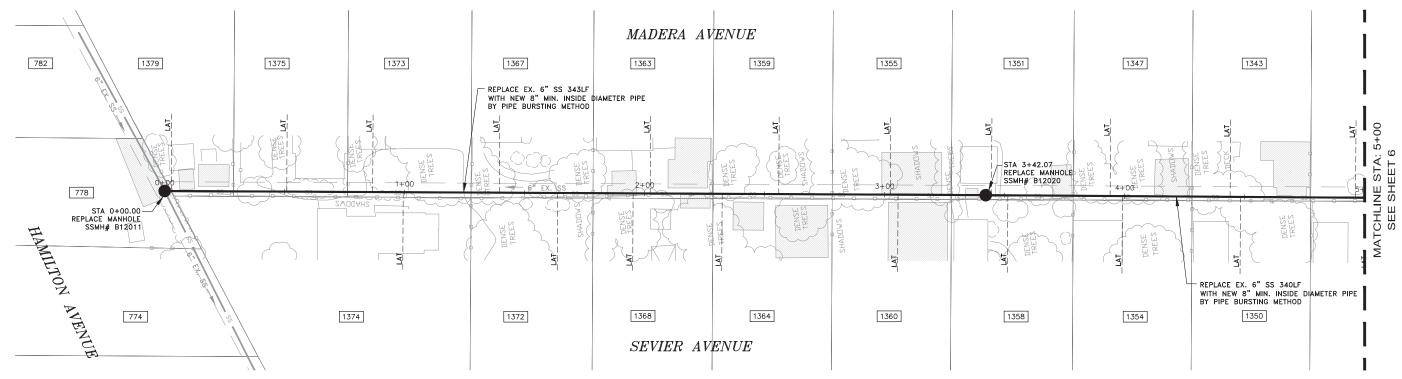
BELLE HAVEN SEWER PROJECT PHASE II

EASEMENT BETWEEN CARLTON AVE & MADERA AVE

MENLO PARK, CALIFORNIA

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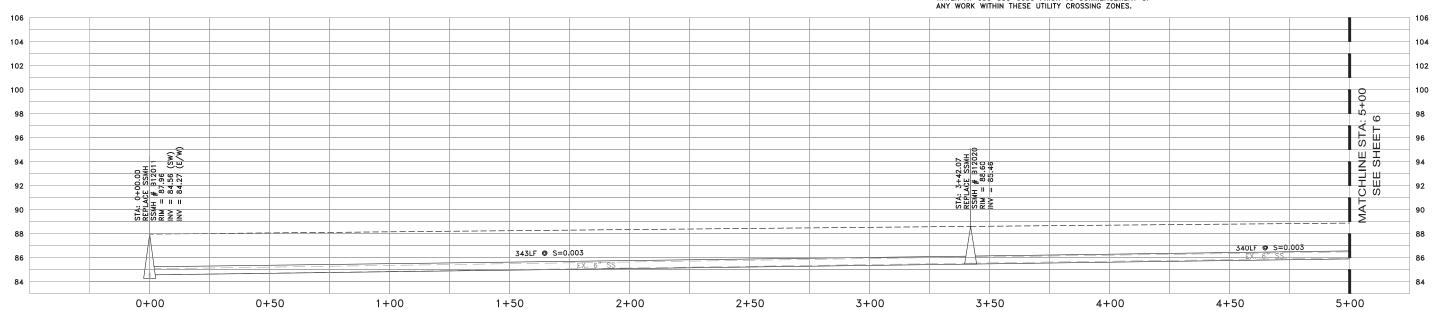
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WEST BAY
SANITARY DISTRICT

PROJECT No. 1758.5

ANITARY DISTRICT
SAN MATEO COUNTY

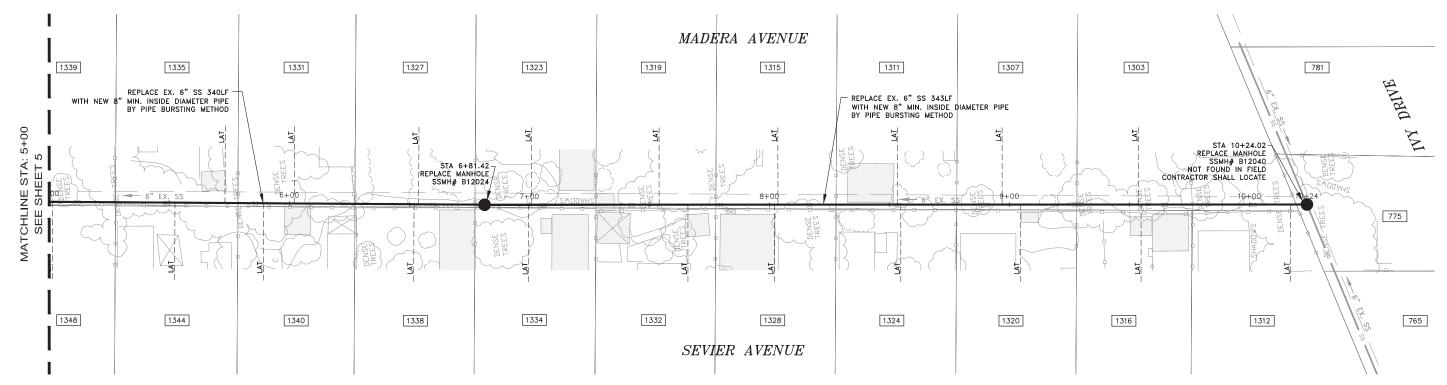
BELLE HAVEN SEWER PROJECT PHASE II

EASEMENT BETWEEN MADERA AVE & SEVIER AVE

MENLO PARK, CALIFORNIA

SHEET 5

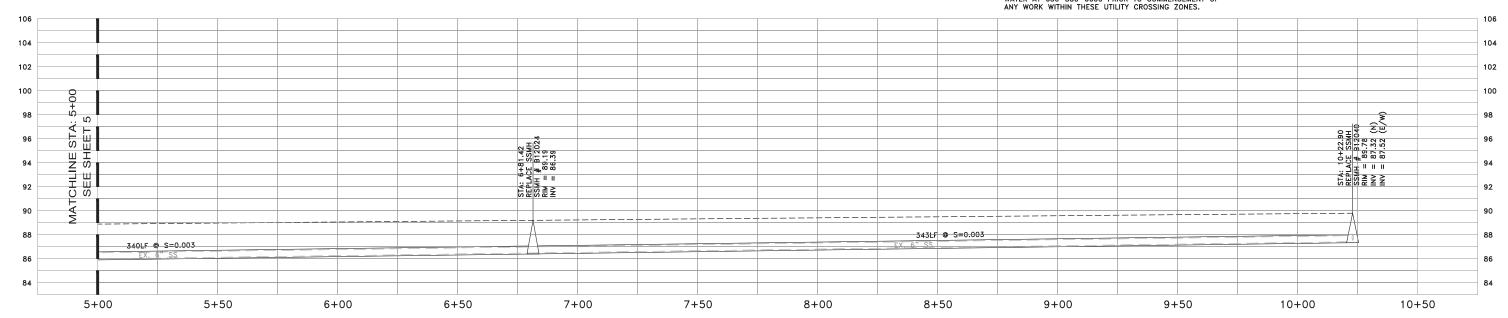
јов no. 1068





#### NOTES:

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  CONTACT PUBLIC WORKS AND MENLO PARK MUNICIPAL WATER AT 650-330-6600 PRIOR TO COMMENCEMENT OF ANY WORK WITHIN THESE LITHITY COPSING TOMES



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STATION (FT)

PROFILE VIEW
HORIZ: 1" = 20'
VERT: 1" = 4'

04/15/16 ISSUED FOR BOARD REVIEW DATE: 6/25/15 AS NOTED SCALE: 04/26/16 ISSUED FOR BOARD REVIEW DESIGNED: JJF DRAWN: PJG CHECKED:  $_{
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WEST BAY
SANITARY DISTRICT

PROJECT No. 1758.5

ANITARY DISTRICT SAN MATEO COUNTY



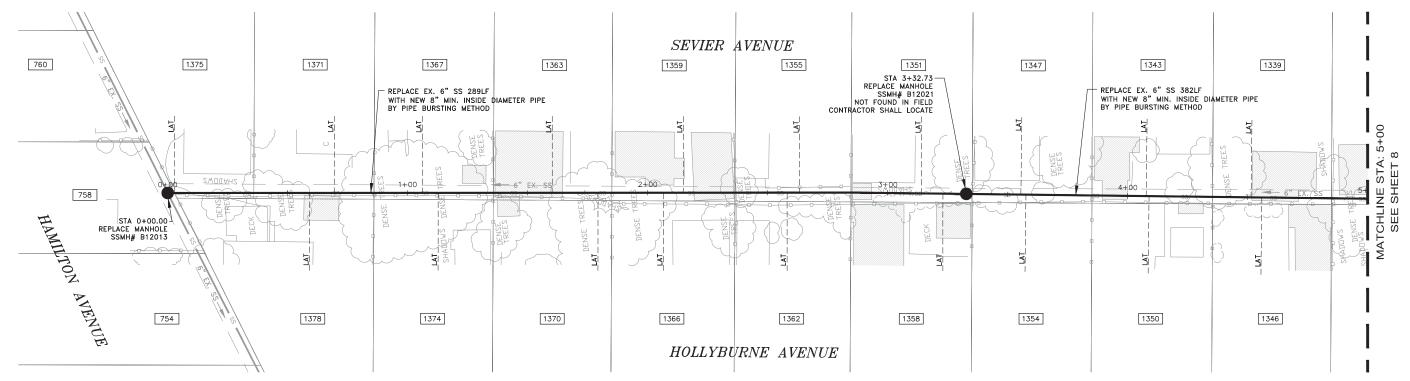
BELLE HAVEN SEWER PROJECT PHASE II

EASEMENT BETWEEN MADERA AVE & SEVIER AVE

MENLO PARK, CALIFORNIA

sнеет 6

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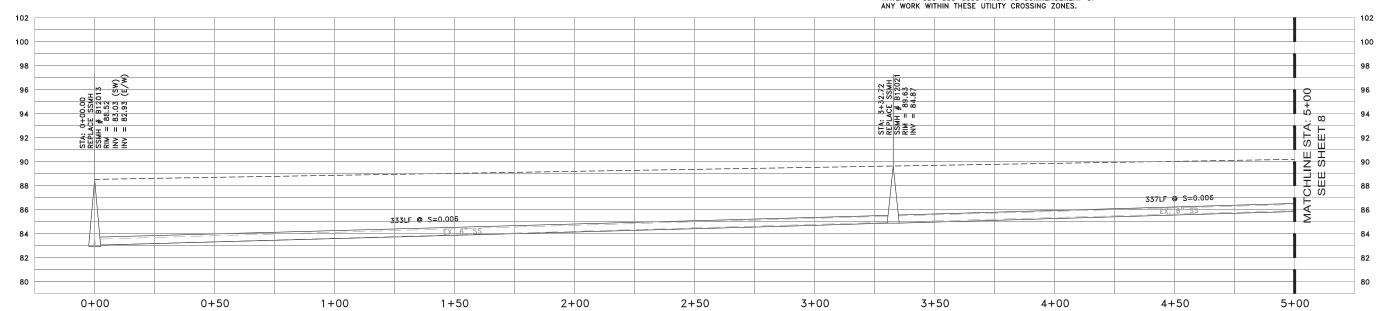






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SANITARY DISTRICT

SANITARY DISTRICT SAN MATEO COUNTY C-055783 Epp 12/31/2016

BELLE HAVEN SEWER PROJECT PHASE II

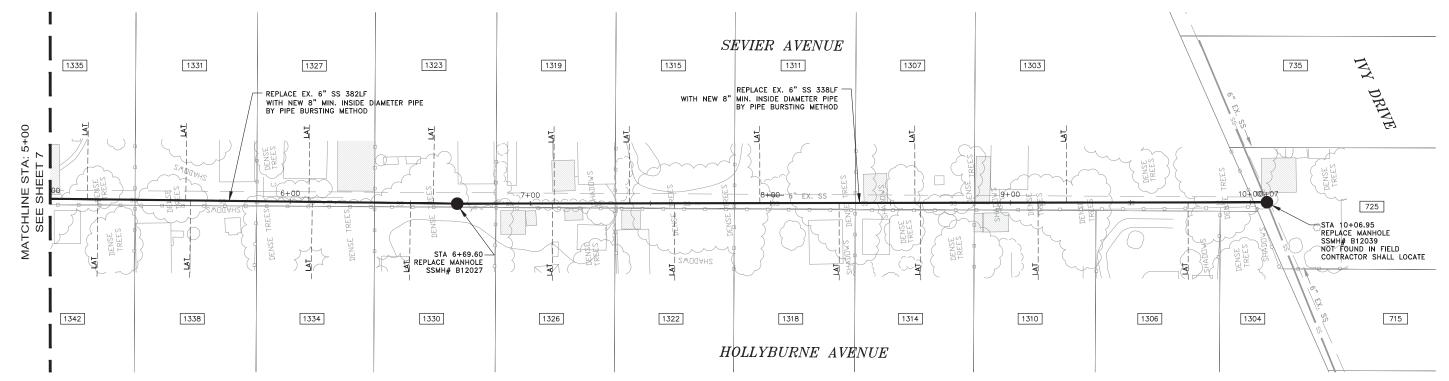
EASEMENT BETWEEN SEVIER AVE & HOLLYBURNE AVE

MENLO PARK, CALIFORNIA

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JOB NO.
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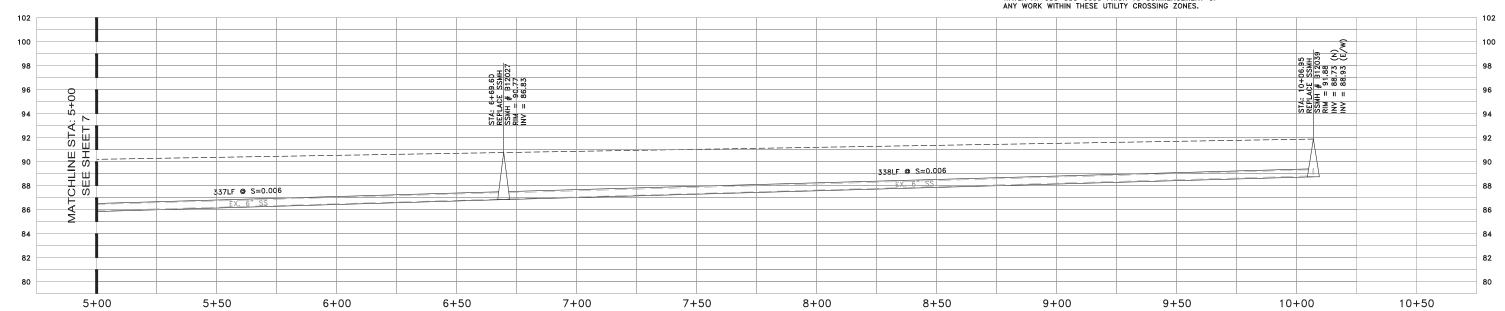
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WEST BAY SANITARY DISTRICT

C-055783 12/31/2016 SAN MATEO COUNTY

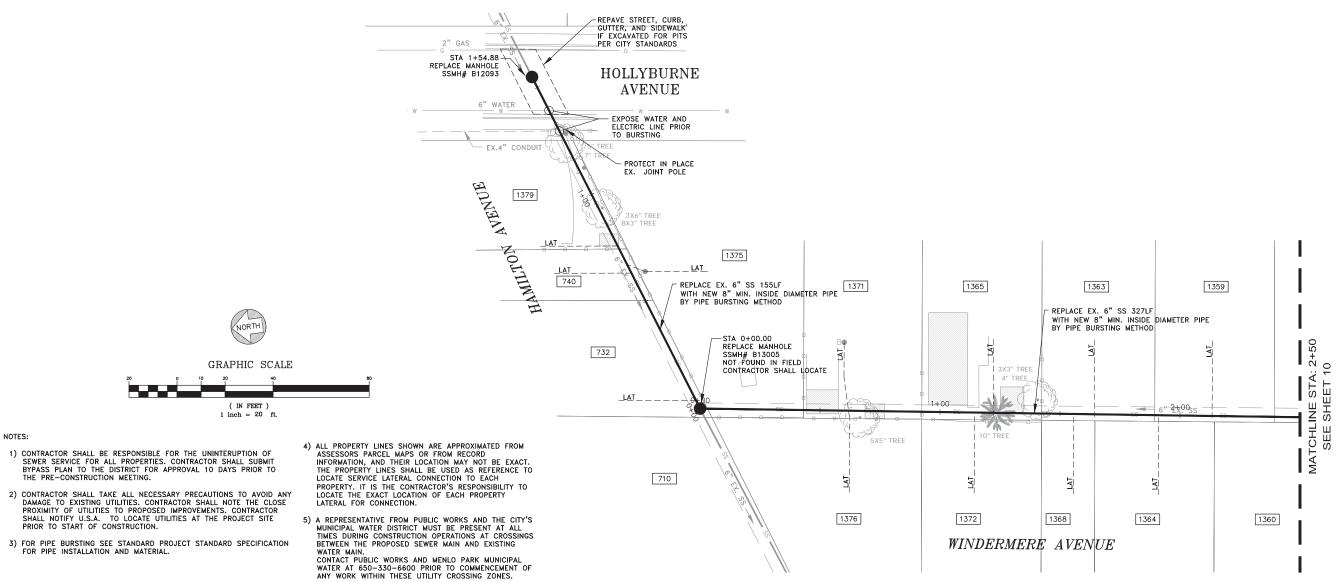
**BELLE HAVEN SEWER PROJECT PHASE II** EASEMENT BETWEEN SEVIER AVE & HOLLYBURNE AVE **MENLO PARK, CALIFORNIA** 

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PROJECT No. 1758.5



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WEST BAY
SANITARY DISTRICT

SANITARY DISTRICT
SAN MATEO COUNTY

PROJECT No. 1758.5



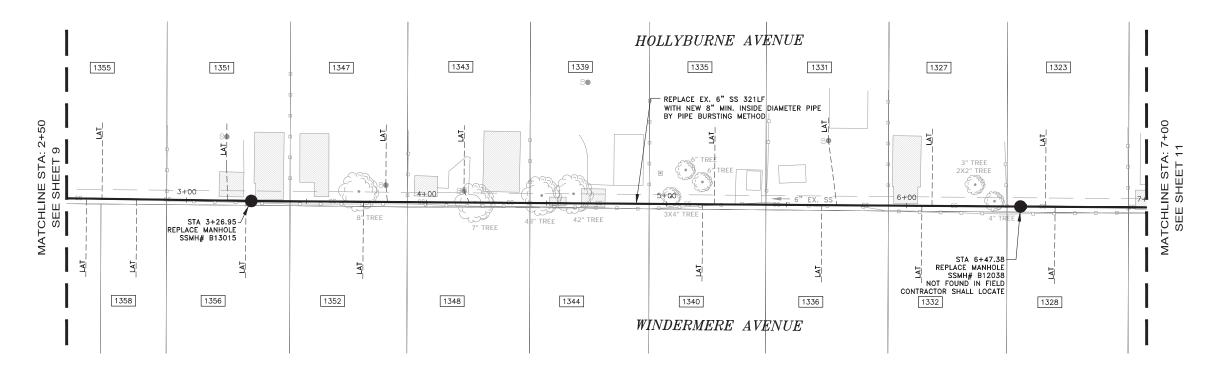
# BELLE HAVEN SEWER PROJECT PHASE II EASEMENT BETWEEN HOLLYBURNE AVE & WINDERMERE AVE MENLO PARK, CALIFORNIA

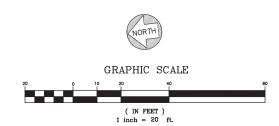
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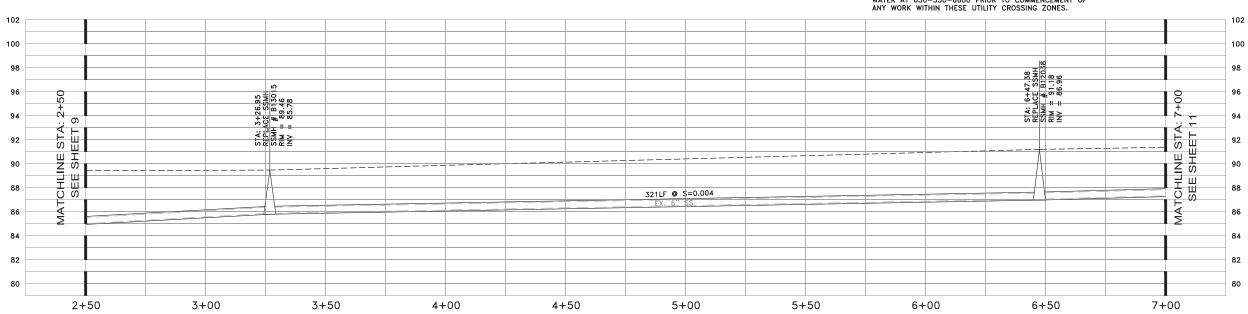
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SANITARY DISTRICT

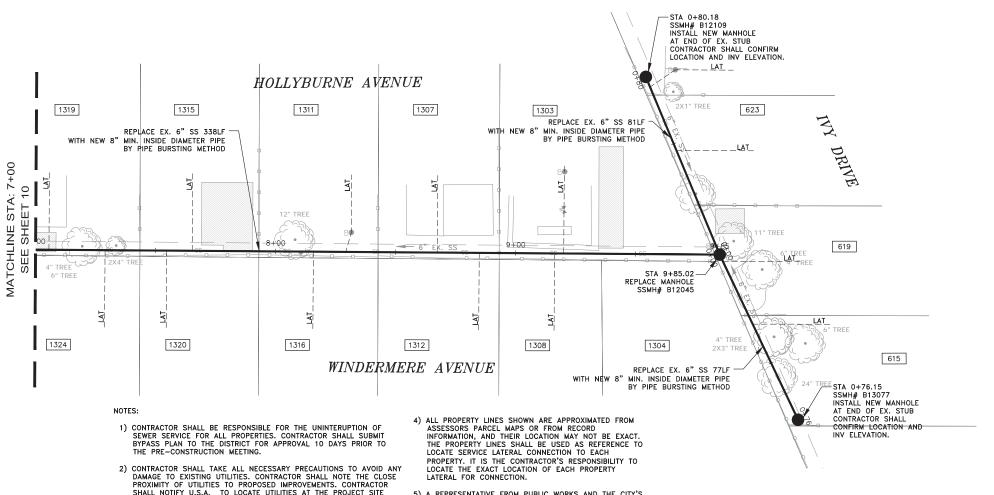
ANITARY DISTRICT
SAN MATEO COUNTY

PROJECT No. 1758.5

# BELLE HAVEN SEWER PROJECT PHASE II EASEMENT BETWEEN HOLLYBURNE AVE & WINDERMERE AVE MENLO PARK, CALIFORNIA

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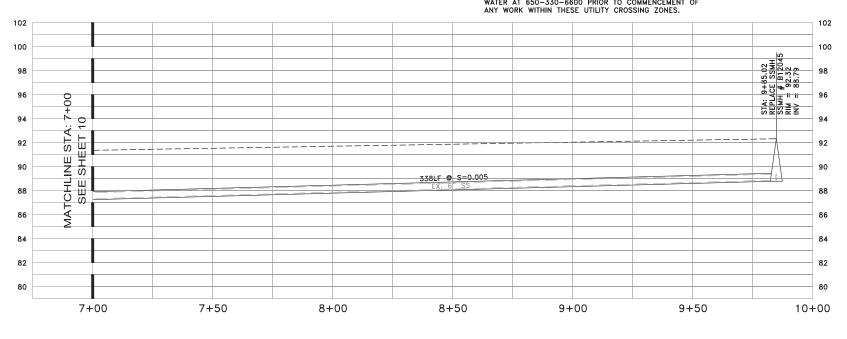


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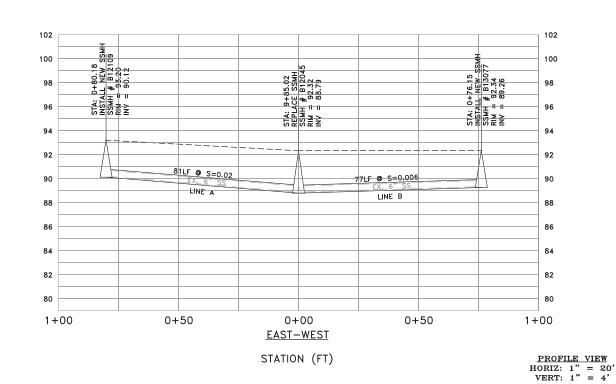
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WEST BAY SANITARY DISTRICT

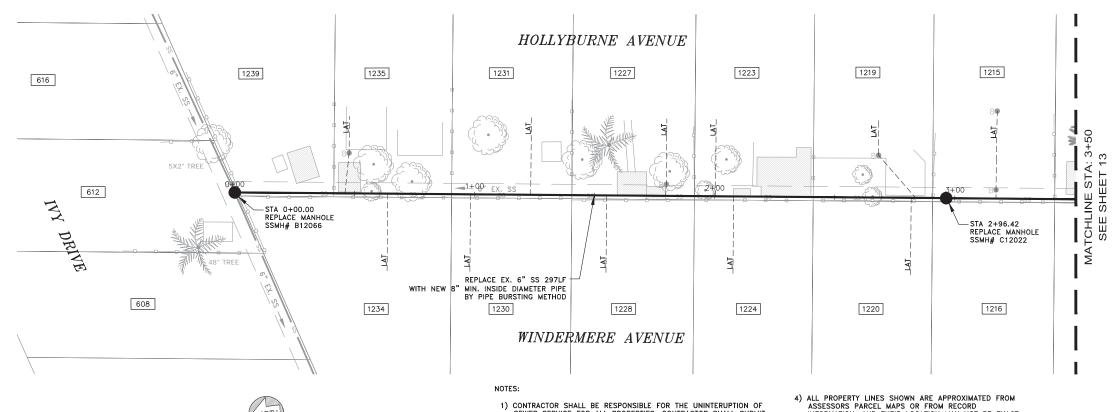
PROJECT No. 1758.5

SAN MATEO COUNTY

C-055783 12/31/2016

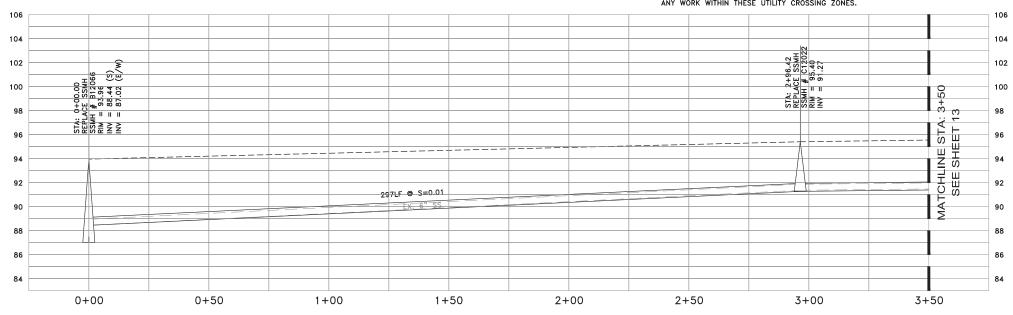
## **BELLE HAVEN SEWER PROJECT PHASE II** EASEMENT BETWEEN HOLLYBURNE AVE & WINDERMERE AVE **MENLO PARK, CALIFORNIA**

SHEET 11





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STATION (FT)

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PROFILE VIEW
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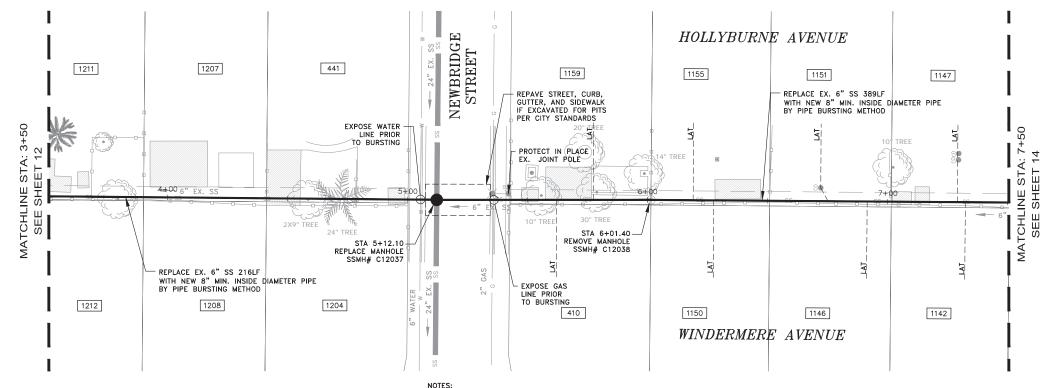
WEST BAY SANITARY DISTRICT

PROJECT No. 1758.5

SAN MATEO COUNTY



**BELLE HAVEN SEWER PROJECT PHASE II** EASEMENT BETWEEN HOLLYBURNE AVE & WINDERMERE AVE **MENLO PARK, CALIFORNIA** 

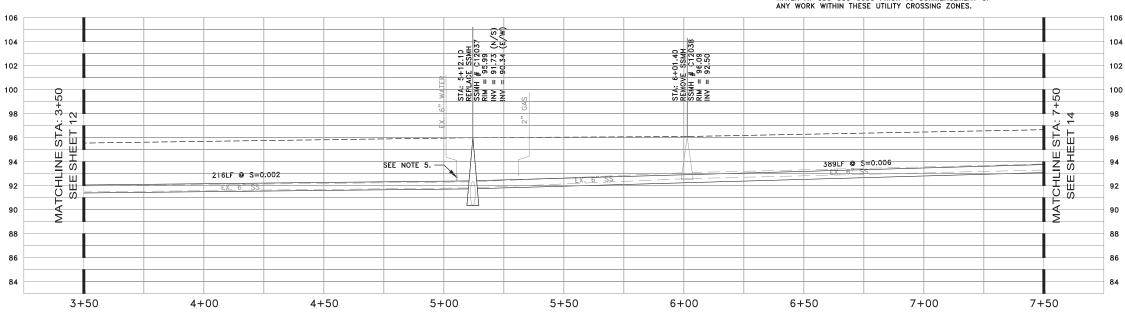




#### NOTES:

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WEST BAY SANITARY DISTRICT

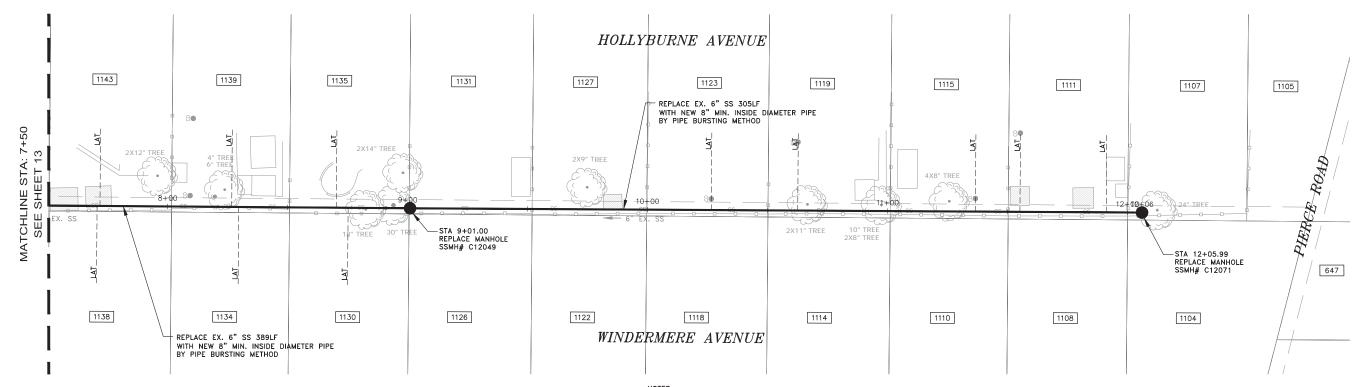
SAN MATEO COUNTY

PROJECT No. 1758.5



## **BELLE HAVEN SEWER PROJECT PHASE II** EASEMENT BETWEEN HOLLYBURNE AVE & WINDERMERE AVE **MENLO PARK, CALIFORNIA**

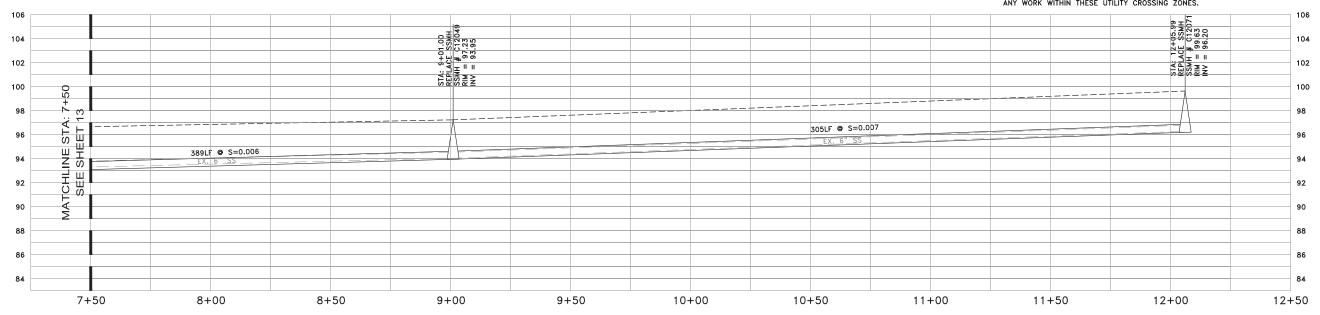
SHEET 13





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BAY WEST SANITARY DISTRICT

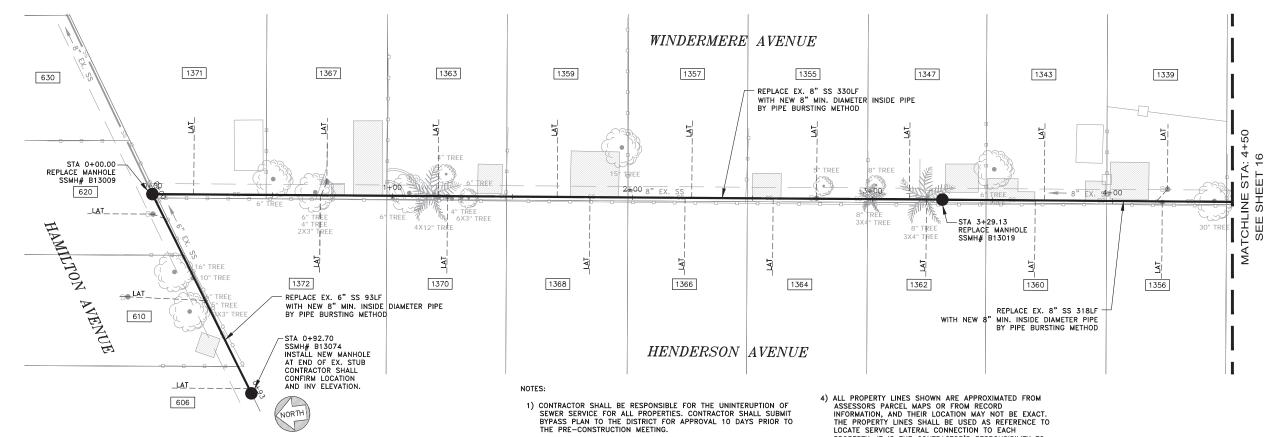
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**BELLE HAVEN SEWER PROJECT PHASE II** EASEMENT BETWEEN HOLLYBURNE AVE & WINDERMERE AVE **MENLO PARK, CALIFORNIA** 

SHEET 14

JOB NO. 1068

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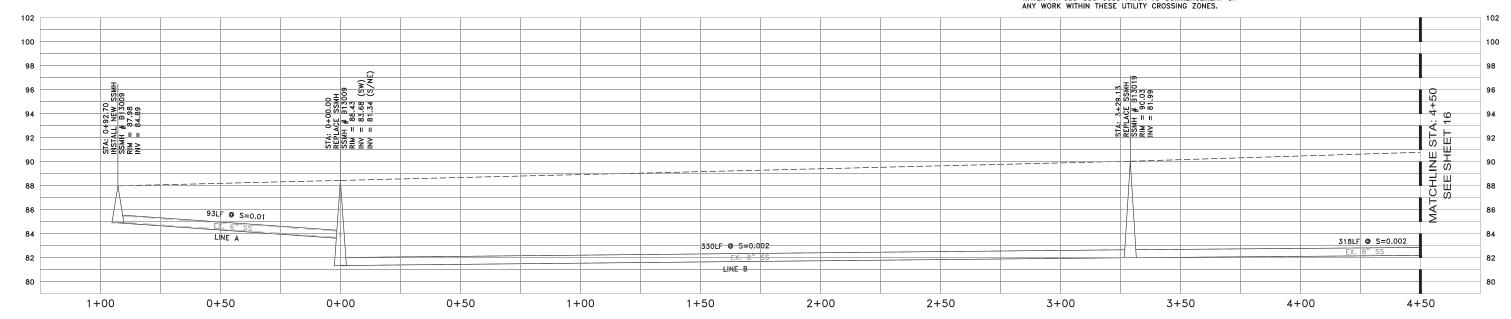


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GRAPHIC SCALE

1 inch = 20 ft.

WEST BAY SANITARY DISTRICT

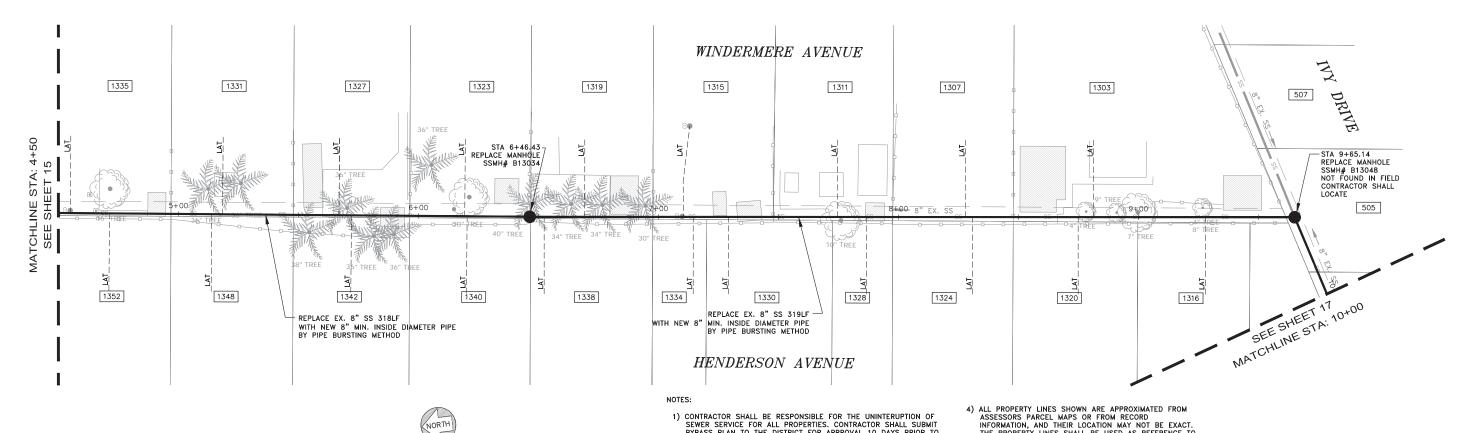
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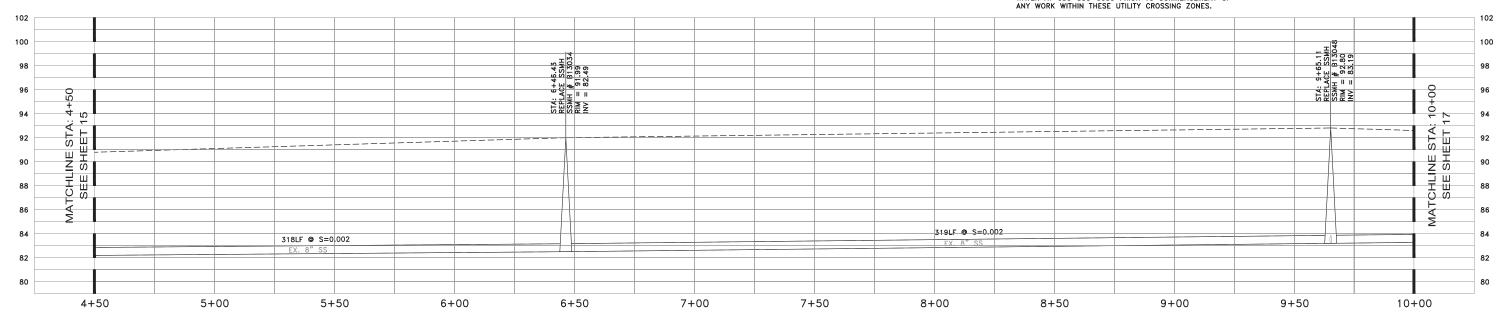
**BELLE HAVEN SEWER PROJECT PHASE II** EASEMENT BETWEEN WINDERMERE AVE & HENDERSON AVE **MENLO PARK, CALIFORNIA** 

SHEET 15



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WEST BAY SANITARY DISTRICT

SAN MATEO COUNTY

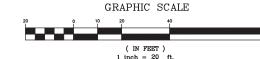
PROJECT No. 1758.5

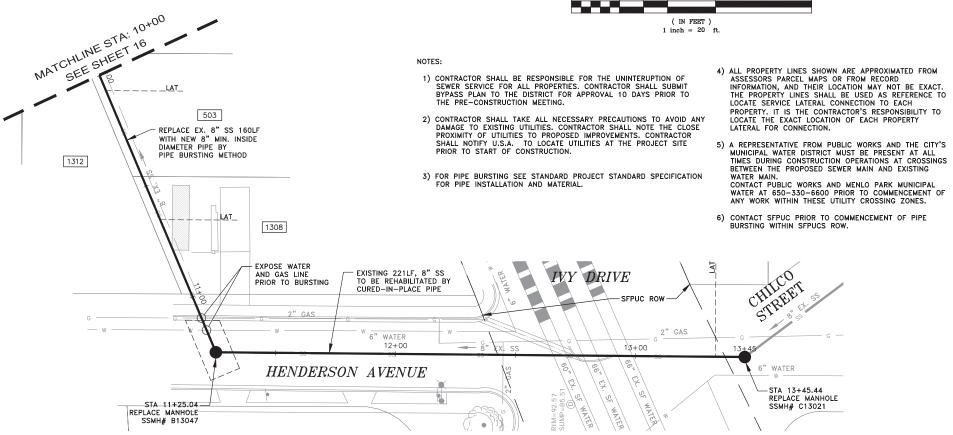
C-055783 12/31/2016

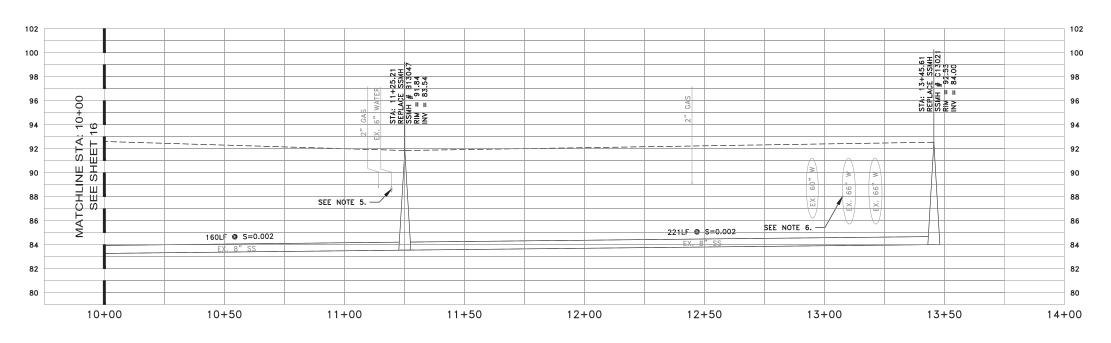
## **BELLE HAVEN SEWER PROJECT PHASE II** EASEMENT BETWEEN WINDERMERE AVE & HENDERSON AVE **MENLO PARK, CALIFORNIA**

SHEET 16









STATION (FT)

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WEST BAY SANITARY DISTRICT

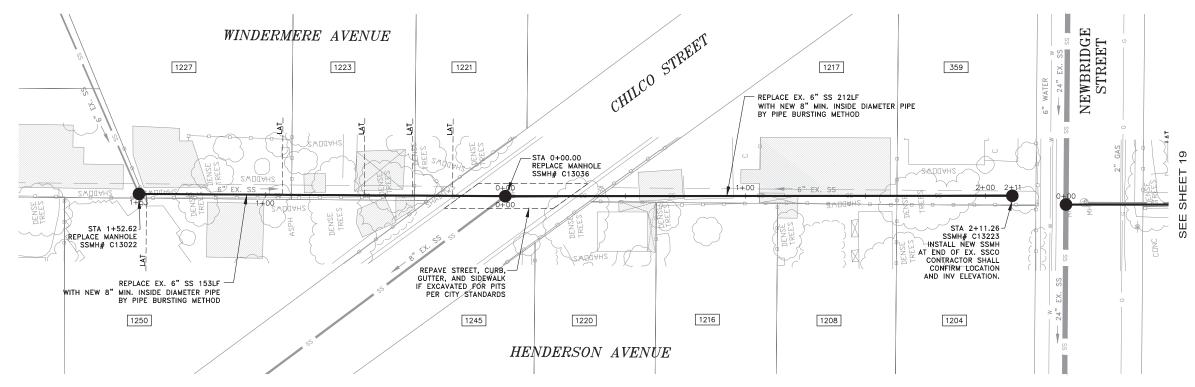
SAN MATEO COUNTY

PROJECT No. 1758.5

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### **BELLE HAVEN SEWER PROJECT PHASE II HENDERSON AVENUE MENLO PARK, CALIFORNIA**

SHEET 17



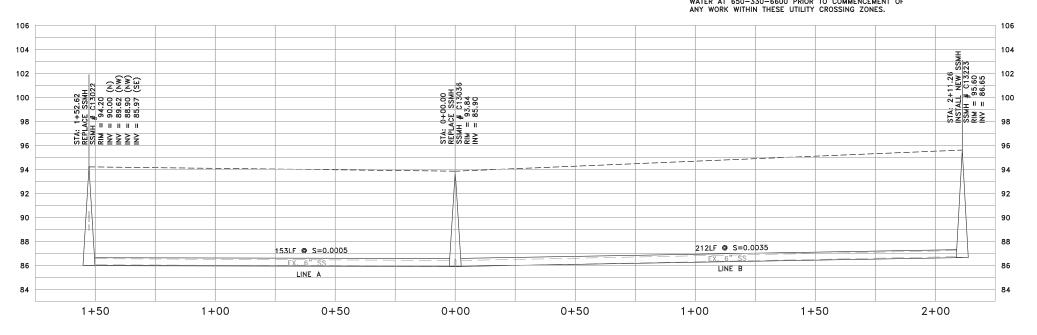


( IN FEET ) 1 inch = 20 ft.

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  CONTACT PUBLIC WORKS AND MENLO PARK MUNICIPAL WATER AT 650-330-6600 PRIOR TO COMMENCEMENT OF ANY WORK WITHIN THESE UTILITY CROSSING ZONES.



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WEST BAY
SANITARY DISTRICT

SANITARY DISTRICT

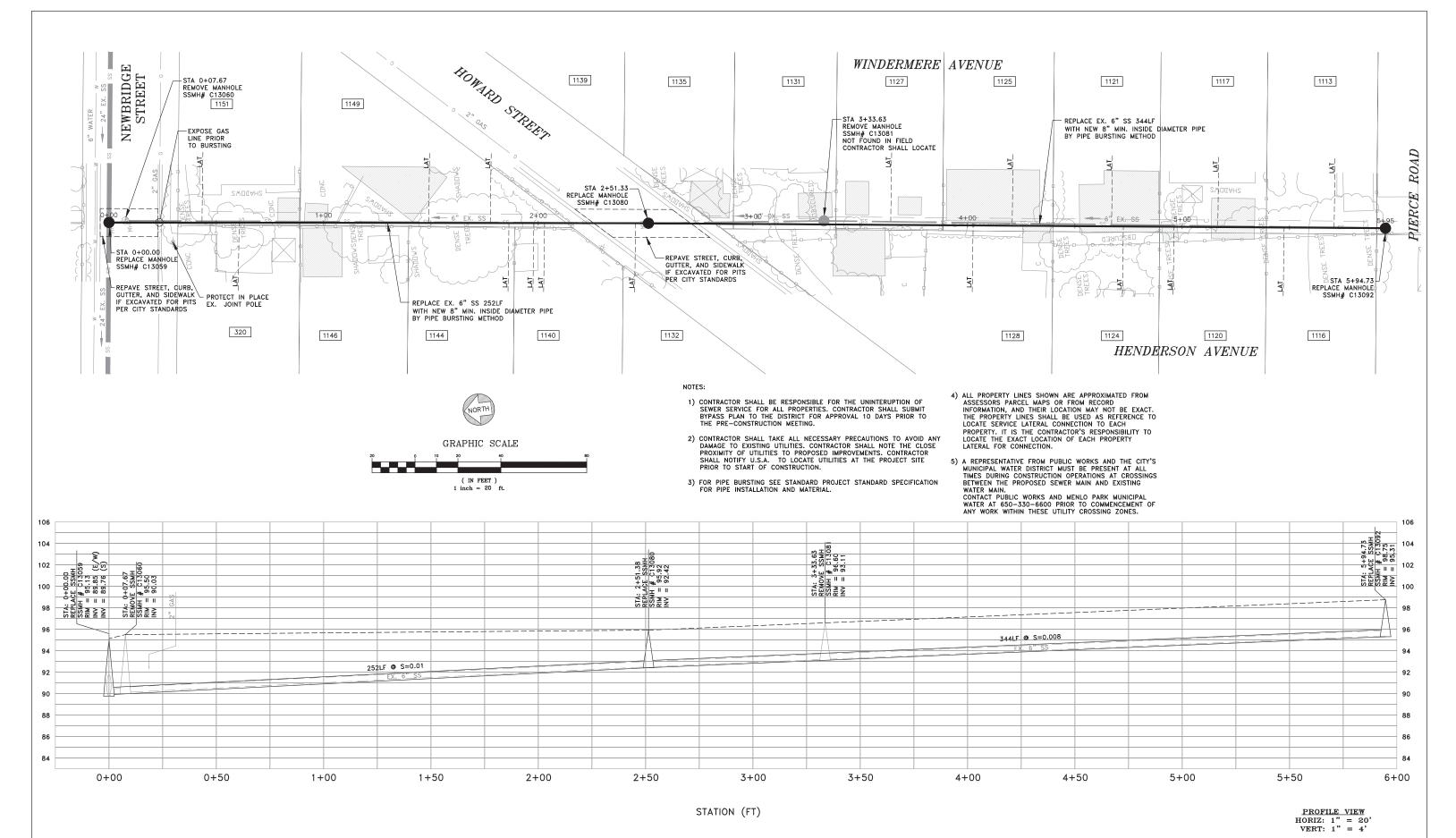
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# BELLE HAVEN SEWER PROJECT PHASE II EASEMENT BETWEEN HENDERSON AVE & WINDERMERE AVE MENLO PARK, CALIFORNIA

<sup>знеет</sup> 18

јов no. 1068



DATE: 6/25/15 04/15/16 ISSUED FOR BOARD REVIEW AS NOTED SCALE: 04/26/16 ISSUED FOR BOARD REVIEW DESIGNED: JJF PJG DRAWN: CHECKED:  $_{\rm JJF}$ PROJ. ENGR: RJL APP'D BY DATE DESCRIPTION OF REVISIONS



WEST BAY
SANITARY DISTRICT

SANITARY DISTRICT
SAN MATEO COUNTY



BELLE HAVEN SEWER PROJECT PHASE II

EASEMENT BETWEEN WINDERMERE AVE & HENDERSON AVE

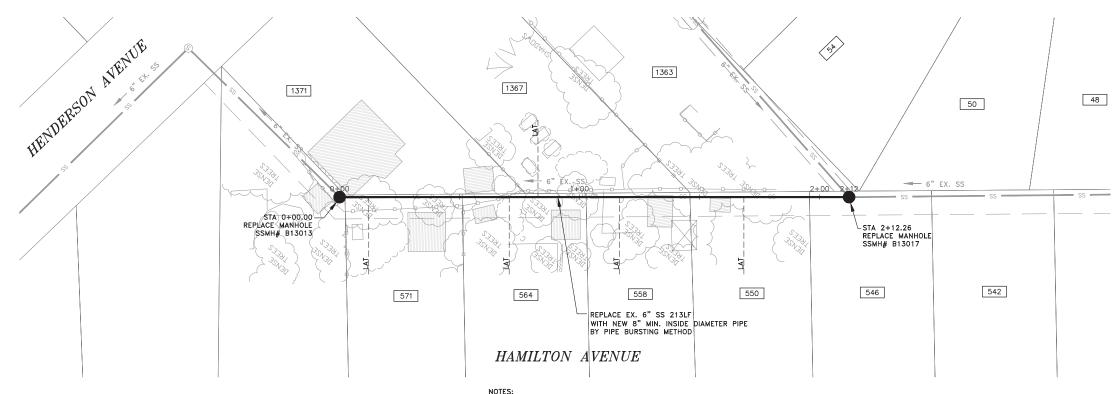
MENLO PARK, CALIFORNIA

знеет 19

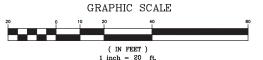
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PROJECT No. 1758.5

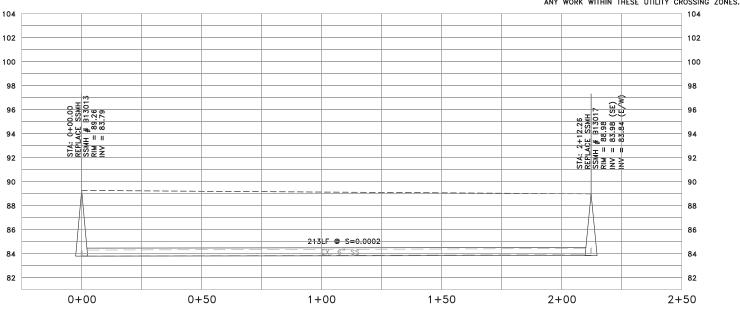






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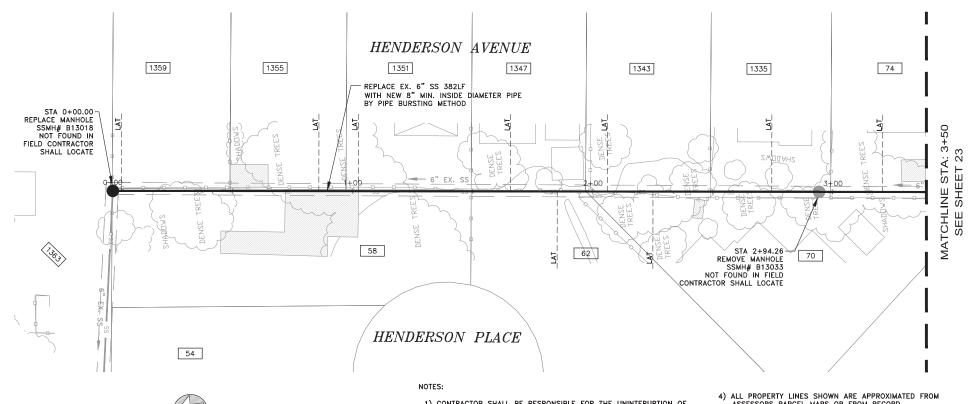


WEST BAY SANITARY DISTRICT

SAN MATEO COUNTY PROJECT No. 1758.5



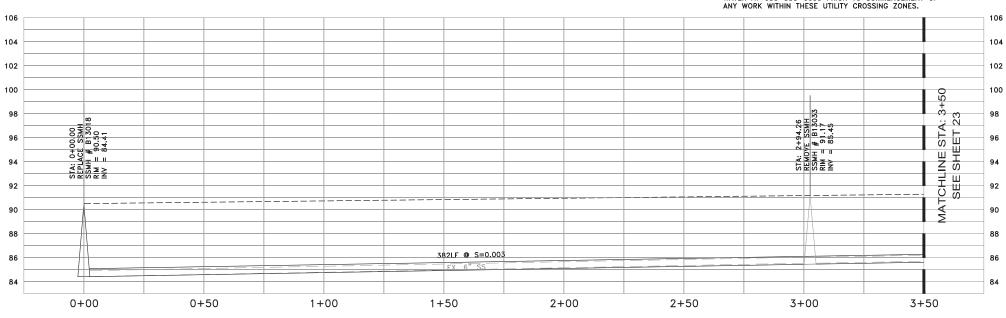
## **BELLE HAVEN SEWER PROJECT PHASE II** EASEMENT BETWEEN HENDERSON AVE & HAMILTON AVE **MENLO PARK, CALIFORNIA**





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WEST BAY
SANITARY DISTRICT

SANITARY DISTRICT
SAN MATEO COUNTY

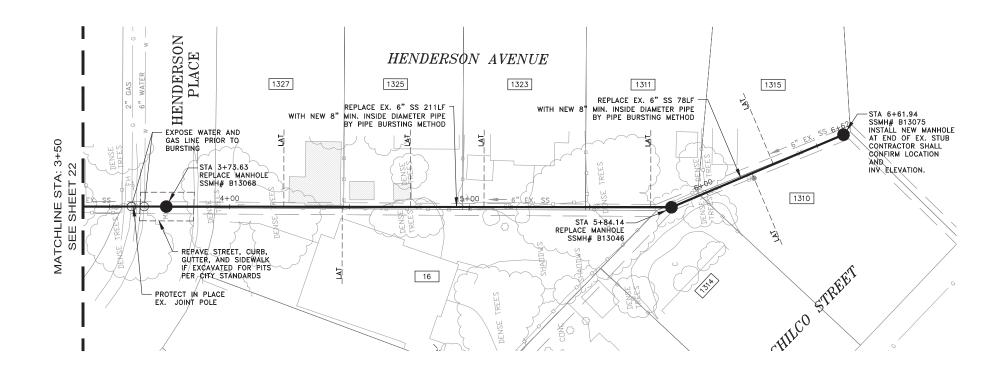
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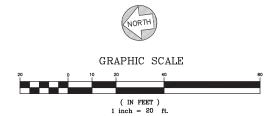


# BELLE HAVEN SEWER PROJECT PHASE II EASEMENT ON HENDERSON AVE MENLO PARK, CALIFORNIA

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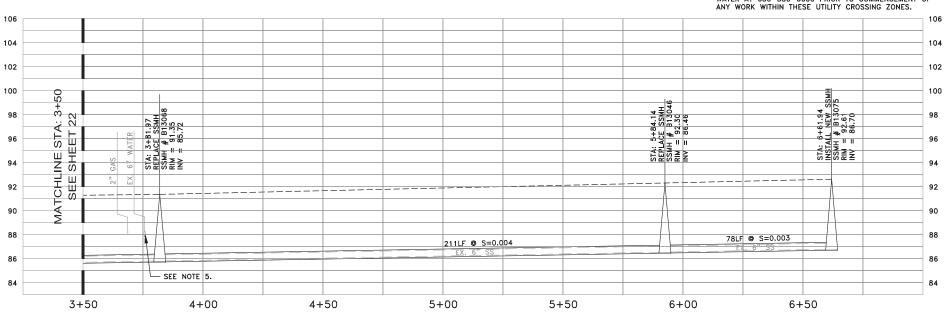




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STATION (FT)

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WEST BAY
SANITARY DISTRICT

PROJECT No. 1758.5

ANITARY DISTRICT
SAN MATEO COUNTY

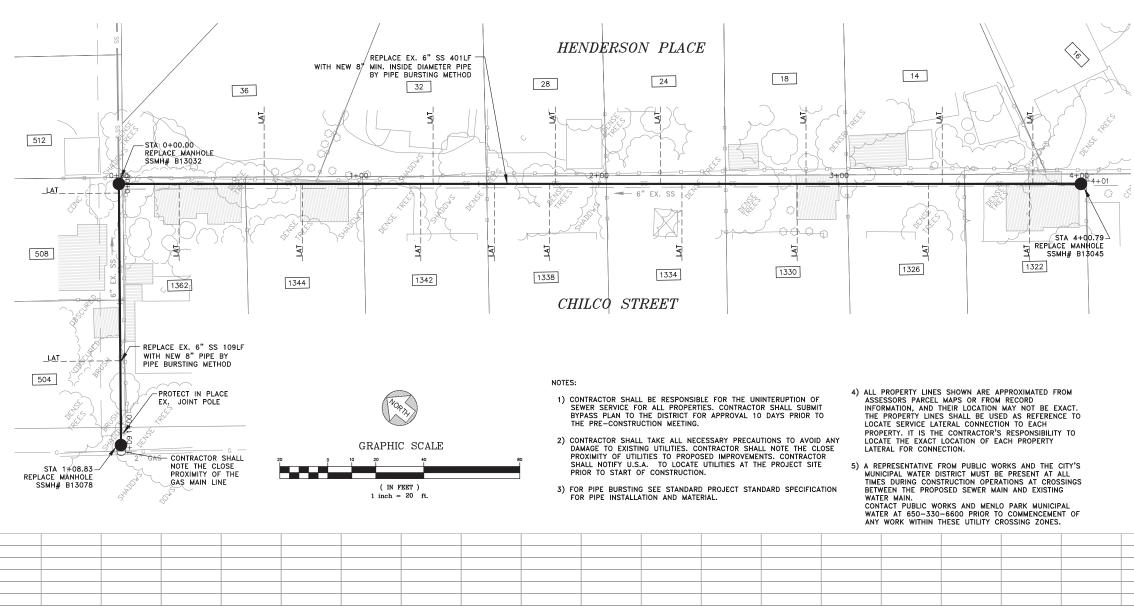
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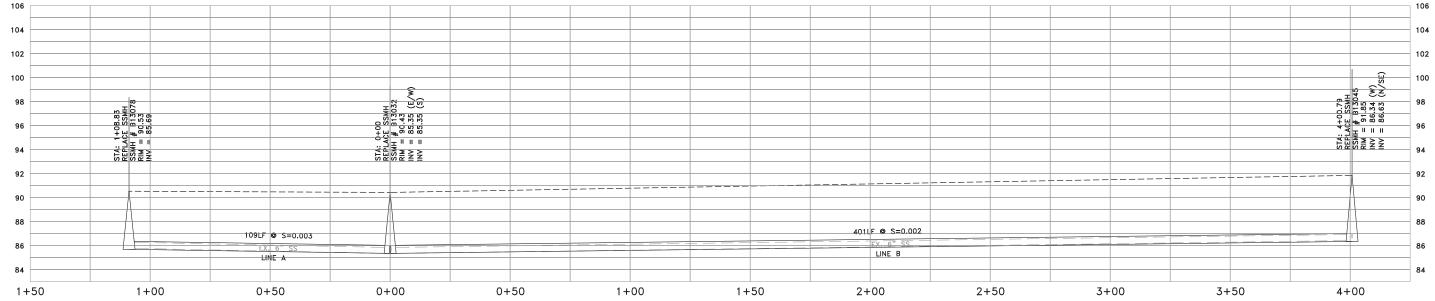
EASEMENT ON HENDERSON AVE

MENLO PARK, CALIFORNIA

sнеет 23

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DATE: 6/25/15 04/15/16 ISSUED FOR BOARD REVIEW AS NOTED SCALE: 04/26/16 ISSUED FOR BOARD REVIEW DESIGNED: PJG DRAWN: CHECKED:  $_{
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#### WEST BAY SANITARY DISTRICT

SAN MATEO COUNTY

PROJECT No. 1758.5

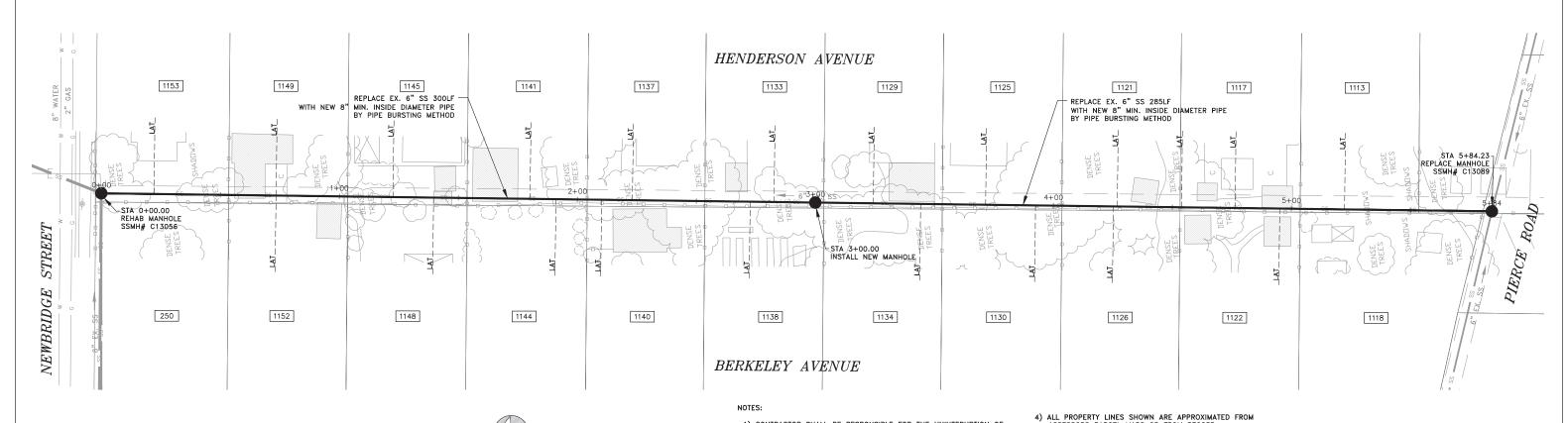
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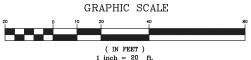


## **BELLE HAVEN SEWER PROJECT PHASE II** EASEMENT BETWEEN HENDERSON PL & CHILCO ST **MENLO PARK, CALIFORNIA**

24

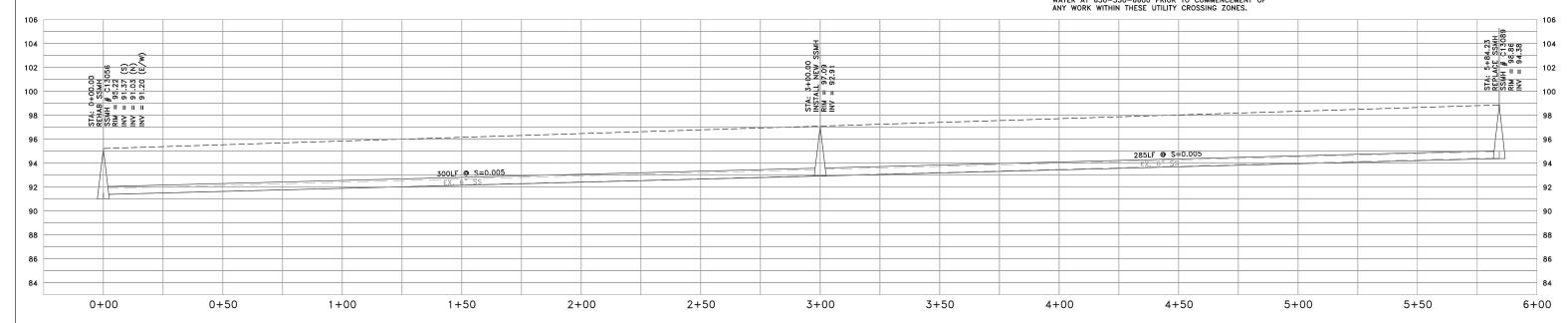
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WEST BAY
SANITARY DISTRICT

ANITARY DISTRICT SAN MATEO COUNTY



BELLE HAVEN SEWER PROJECT PHASE II

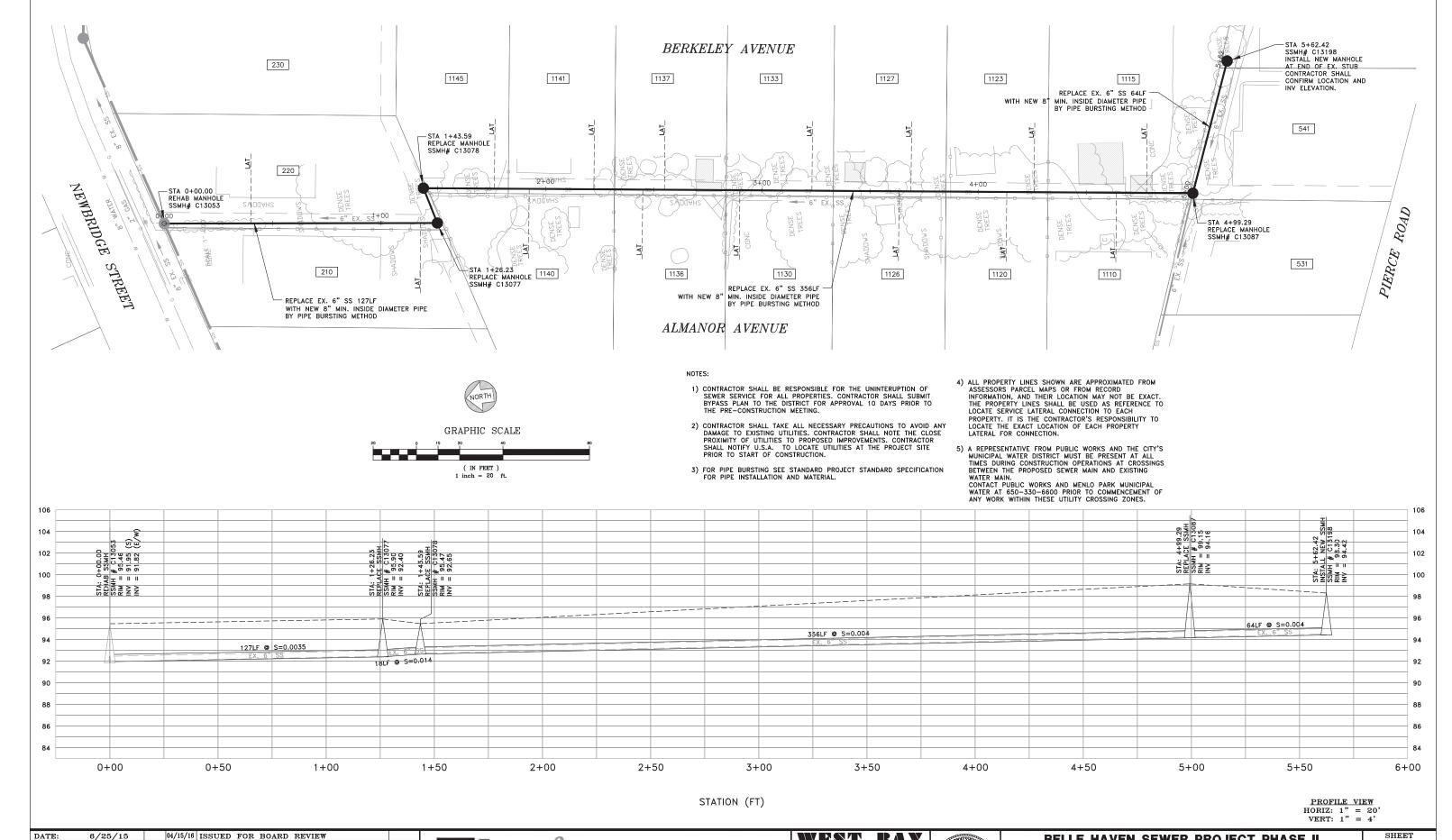
EASEMENT BETWEEN HENDERSON AVE & BERKELEY AVE

MENLO PARK, CALIFORNIA

<sup>знеет</sup> 25

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SANITARY DISTRICT
SAN MATEO COUNTY

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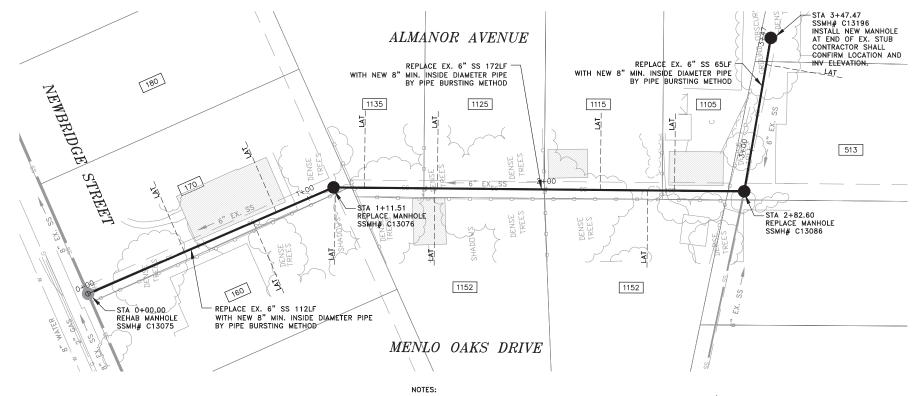
BELLE HAVEN SEWER PROJECT PHASE II

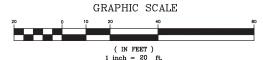
EASEMENT BETWEEN BERKELEY AVE & ALMANOR AVE

MENLO PARK, CALIFORNIA

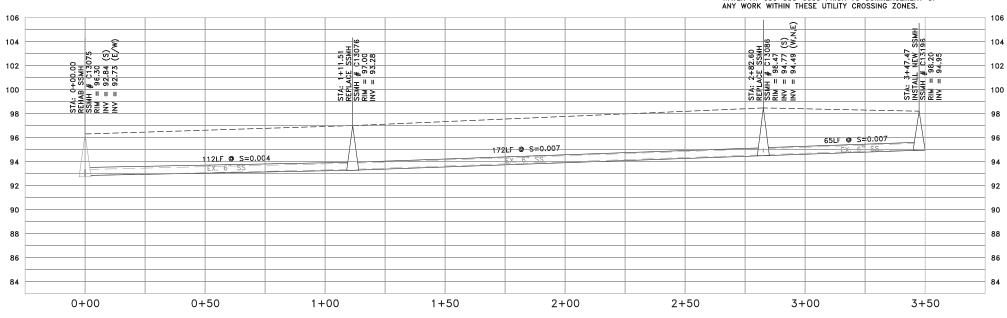
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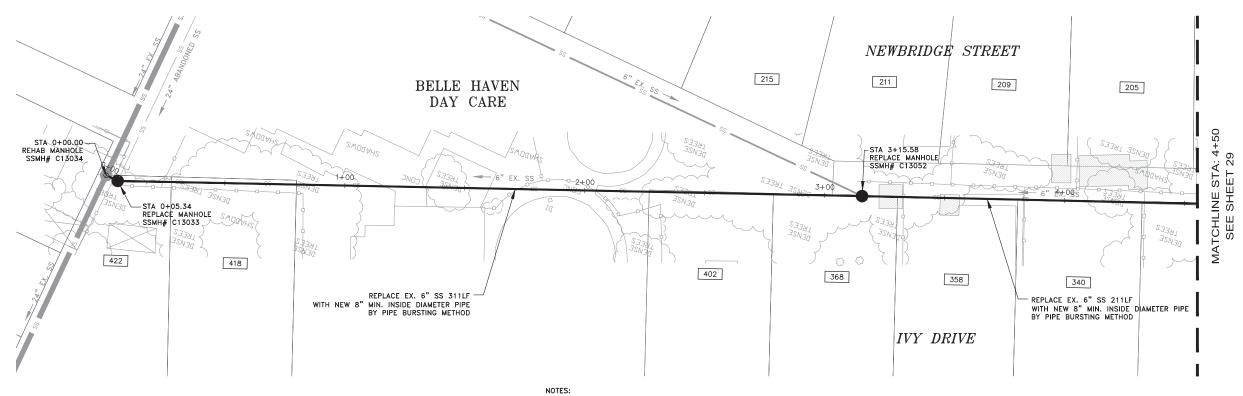
WEST BAY SANITARY DISTRICT

PROJECT No. 1758.5

SAN MATEO COUNTY



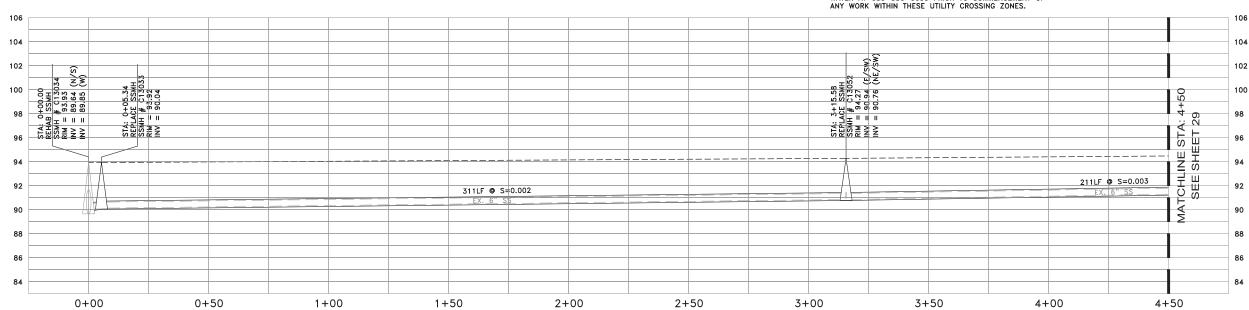
**BELLE HAVEN SEWER PROJECT PHASE II** EASEMENT BETWEEN ALMANOR AVE & MENLO OAKS DR **MENLO PARK, CALIFORNIA** 







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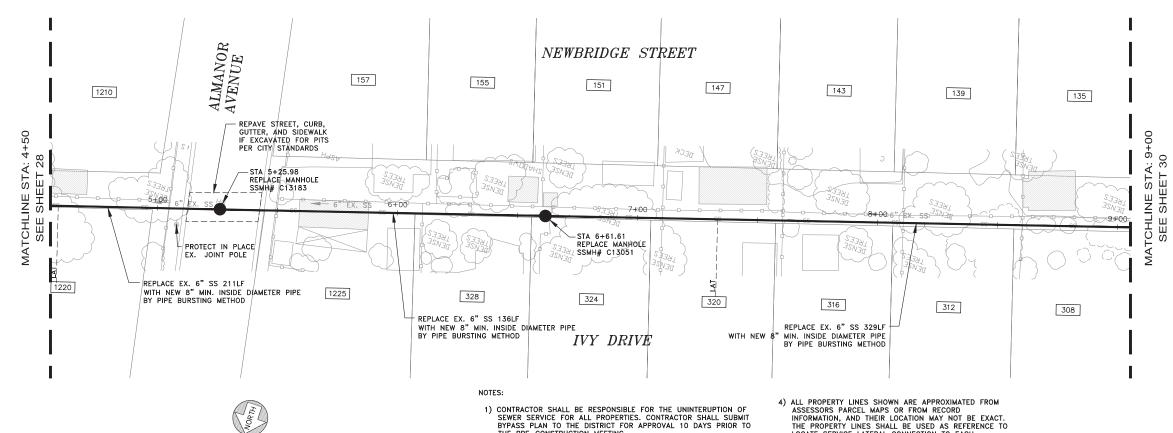
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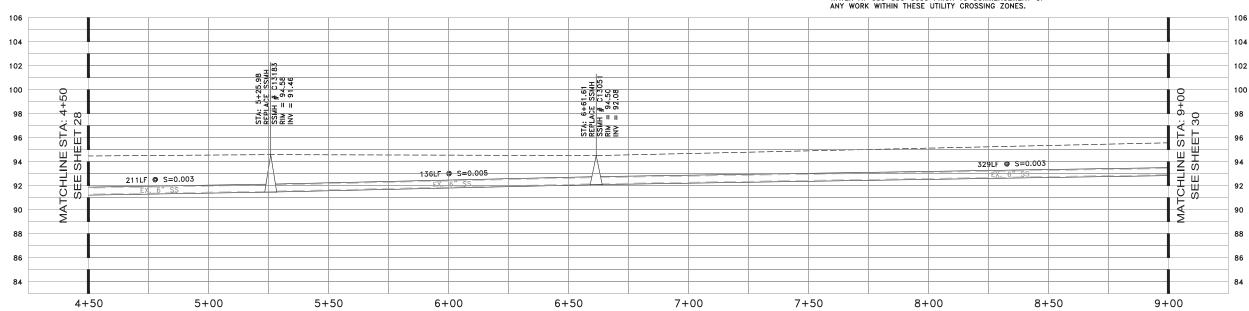
**BELLE HAVEN SEWER PROJECT PHASE II EASEMENT BETWEEN NEWBRIDGE ST & IVY DR MENLO PARK, CALIFORNIA** 

28



GRAPHIC SCALE 1 inch = 20 ft.

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  WATER AT 650-330-6600 PRIOR TO COMMENCEMENT OF



STATION (FT)

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PROFILE VIEW
HORIZ: 1" = 20'
VERT: 1" = 4'

DATE: 6/25/15 04/15/16 ISSUED FOR BOARD REVIEW AS NOTED SCALE: 04/26/16 ISSUED FOR BOARD REVIEW DESIGNED: JJF PJG DRAWN: CHECKED:  $_{
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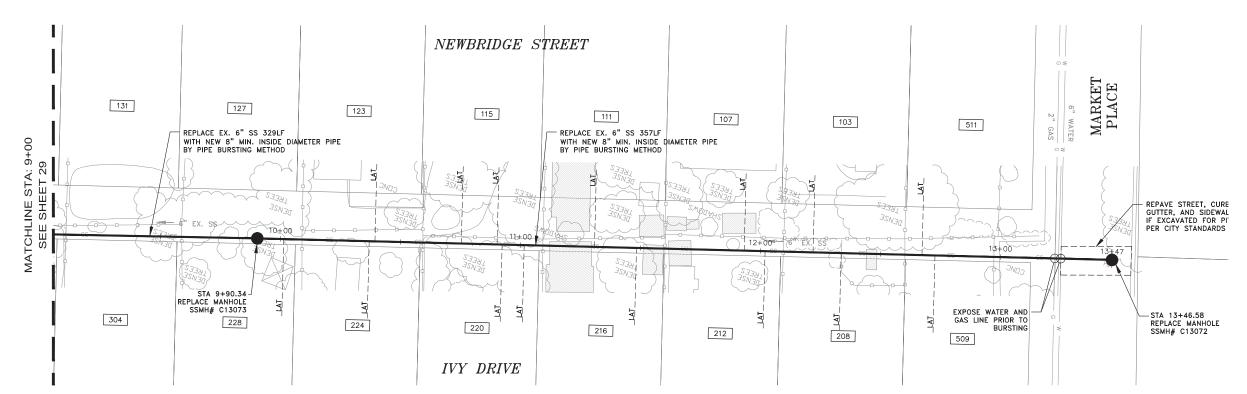
WEST BAY SANITARY DISTRICT

PROJECT No. 1758.5

SAN MATEO COUNTY

**BELLE HAVEN SEWER PROJECT PHASE II** EASEMENT BETWEEN NEWBRIDGE ST & IVY DR **MENLO PARK, CALIFORNIA** 

29



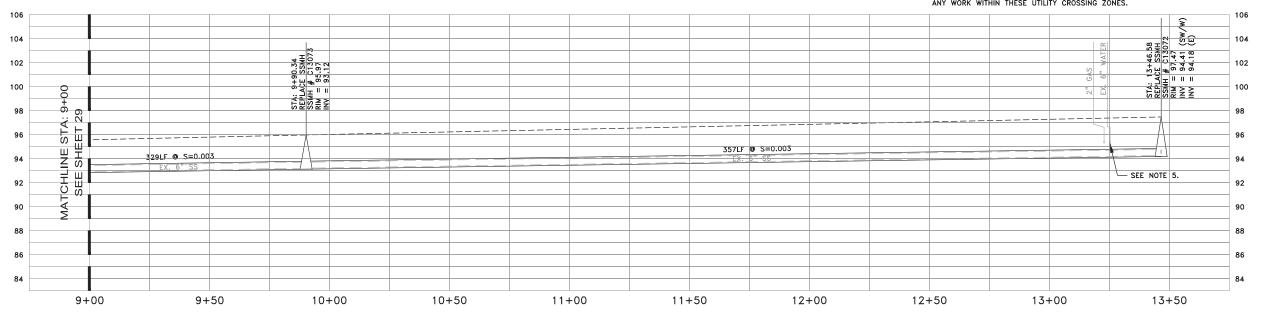




#### NOTES:

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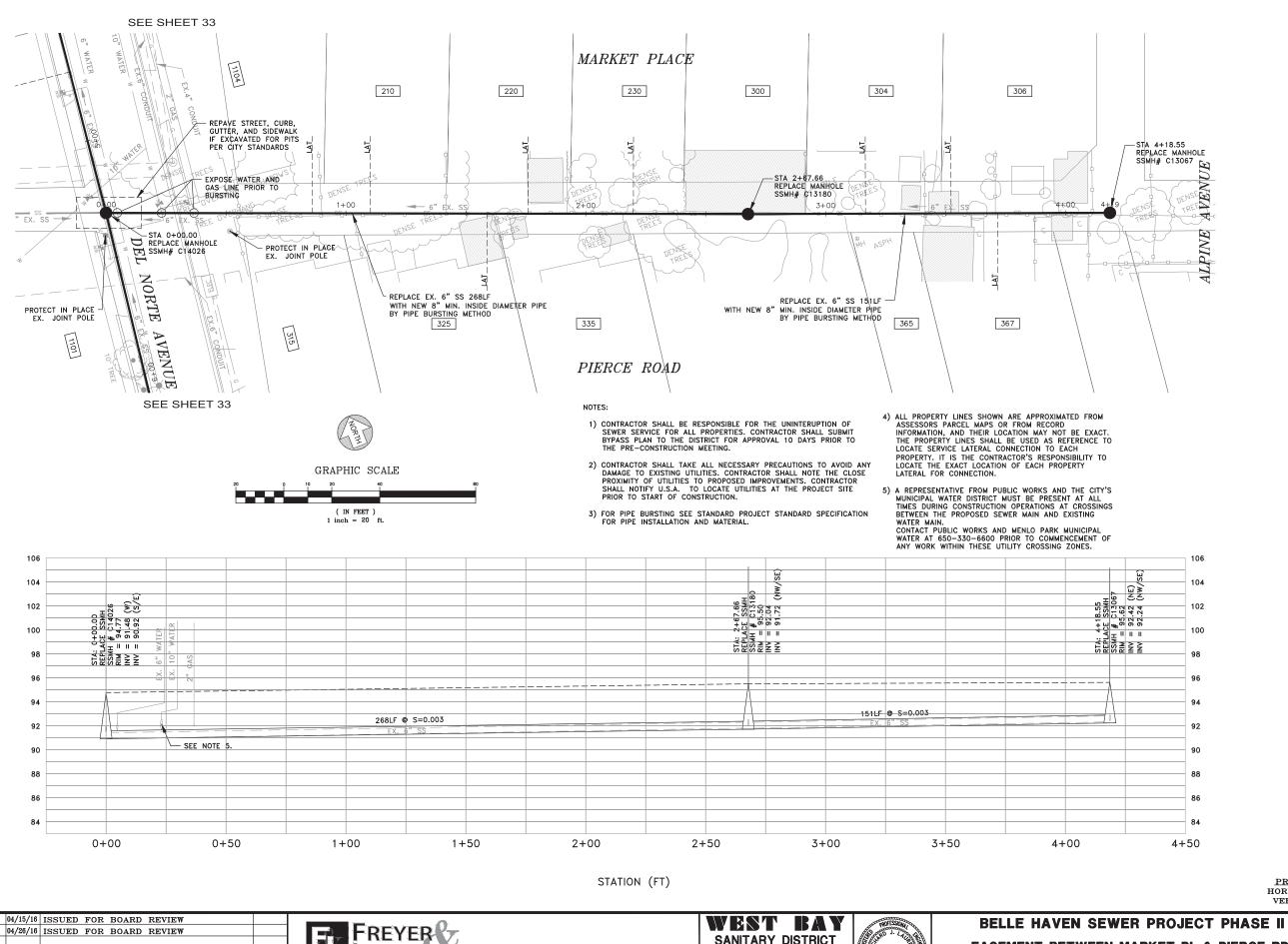
ANITARY DISTRICT
SAN MATEO COUNTY

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BELLE HAVEN SEWER PROJECT PHASE II
EASEMENT BETWEEN NEWBRIDGE ST & IVY DR
MENLO PARK, CALIFORNIA

30

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SANITARY DISTRICT

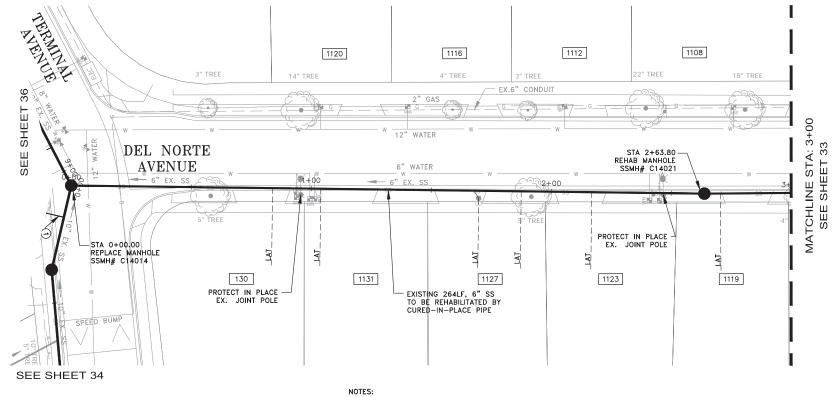
PROJECT No. 1758.5

SAN MATEO COUNTY

EASEMENT BETWEEN MARKET PL & PIERCE RD **MENLO PARK, CALIFORNIA** 

31

PROFILE VIEW HORIZ: 1" = 20' VERT: 1" = 4'







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106 102 STA: 0+00 REPLACE SSWH SSWH # C1401-RIM = 92.53 INV = 88.53 (S INV = 89.13 (S 100 100 E STA: 3+ 96 HE ST 264LF @ S=0.003 SEE NOTE 5. 0+00 0+50 1+00 1+50 2+00 2+50 3+00

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#### WEST BAY SANITARY DISTRICT

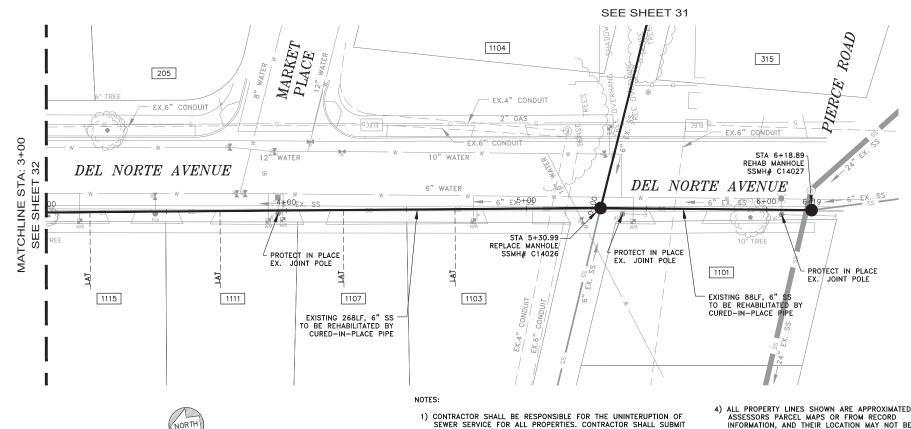
SAN MATEO COUNTY

PROJECT No. 1758.5



## BELLE HAVEN SEWER PROJECT PHASE II **DEL NORTE AVENUE MENLO PARK, CALIFORNIA**

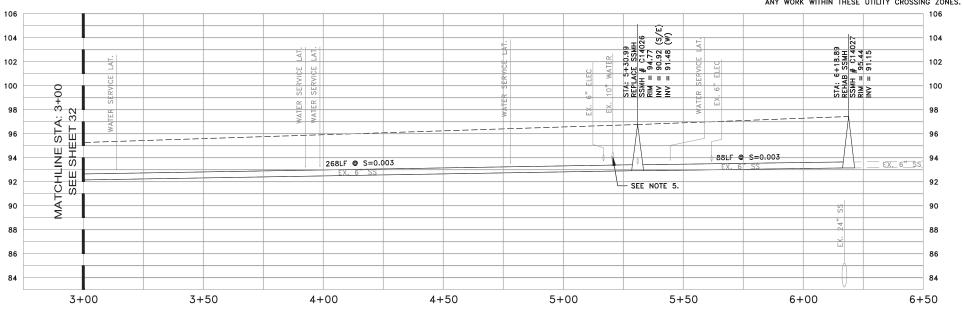
32



GRAPHIC SCALE

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WEST BAY SANITARY DISTRICT

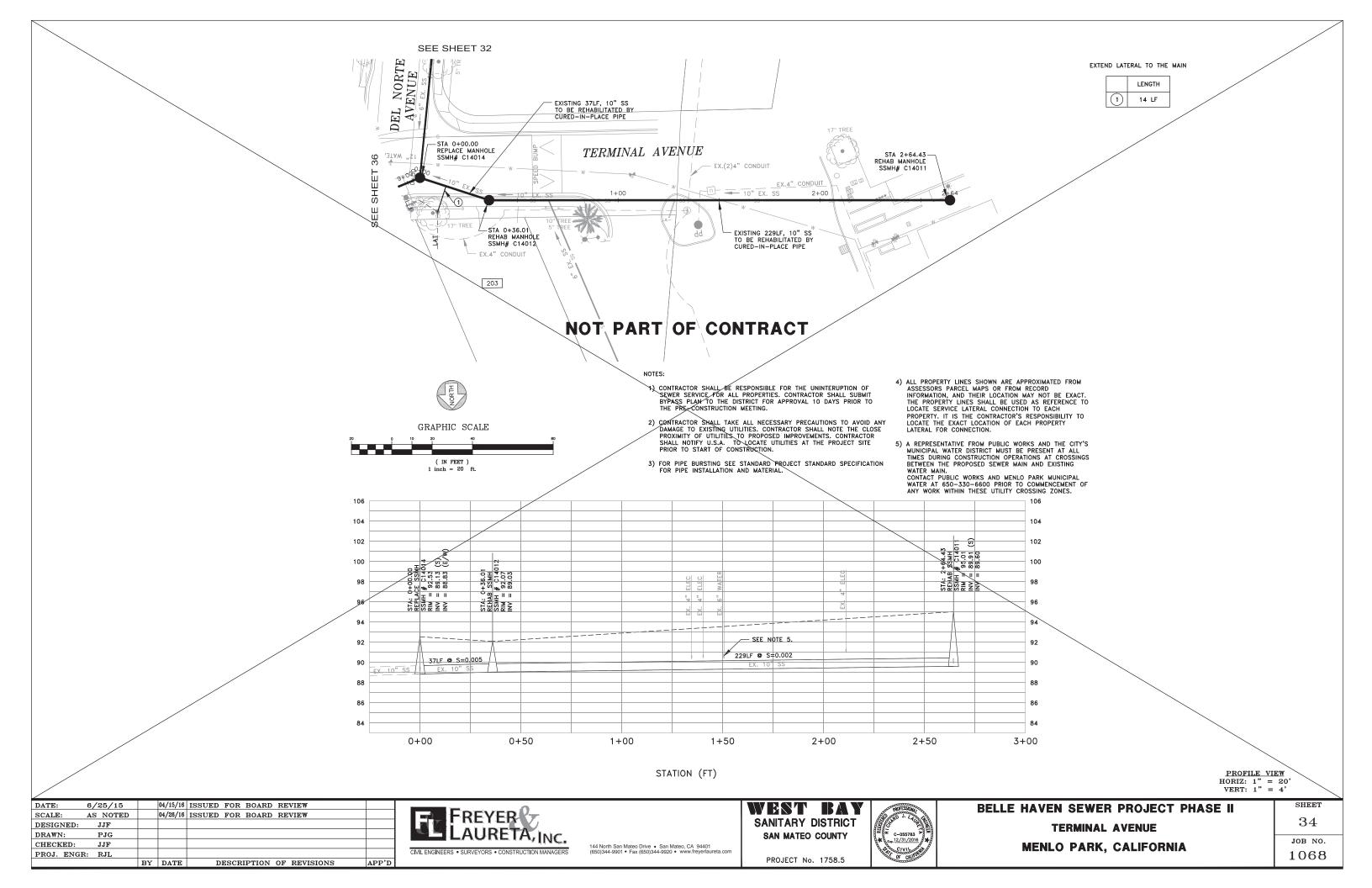
SAN MATEO COUNTY

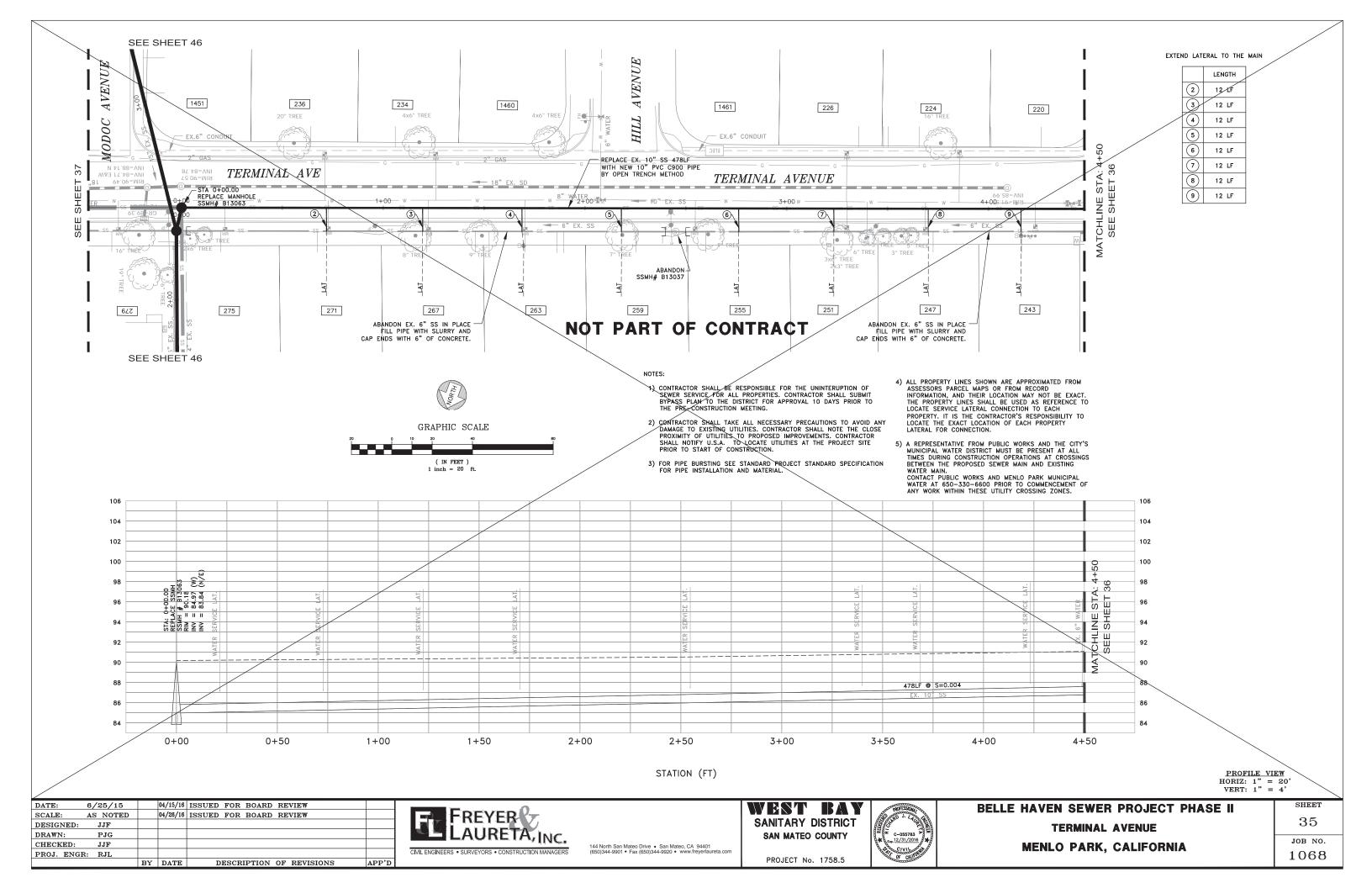
PROJECT No. 1758.5

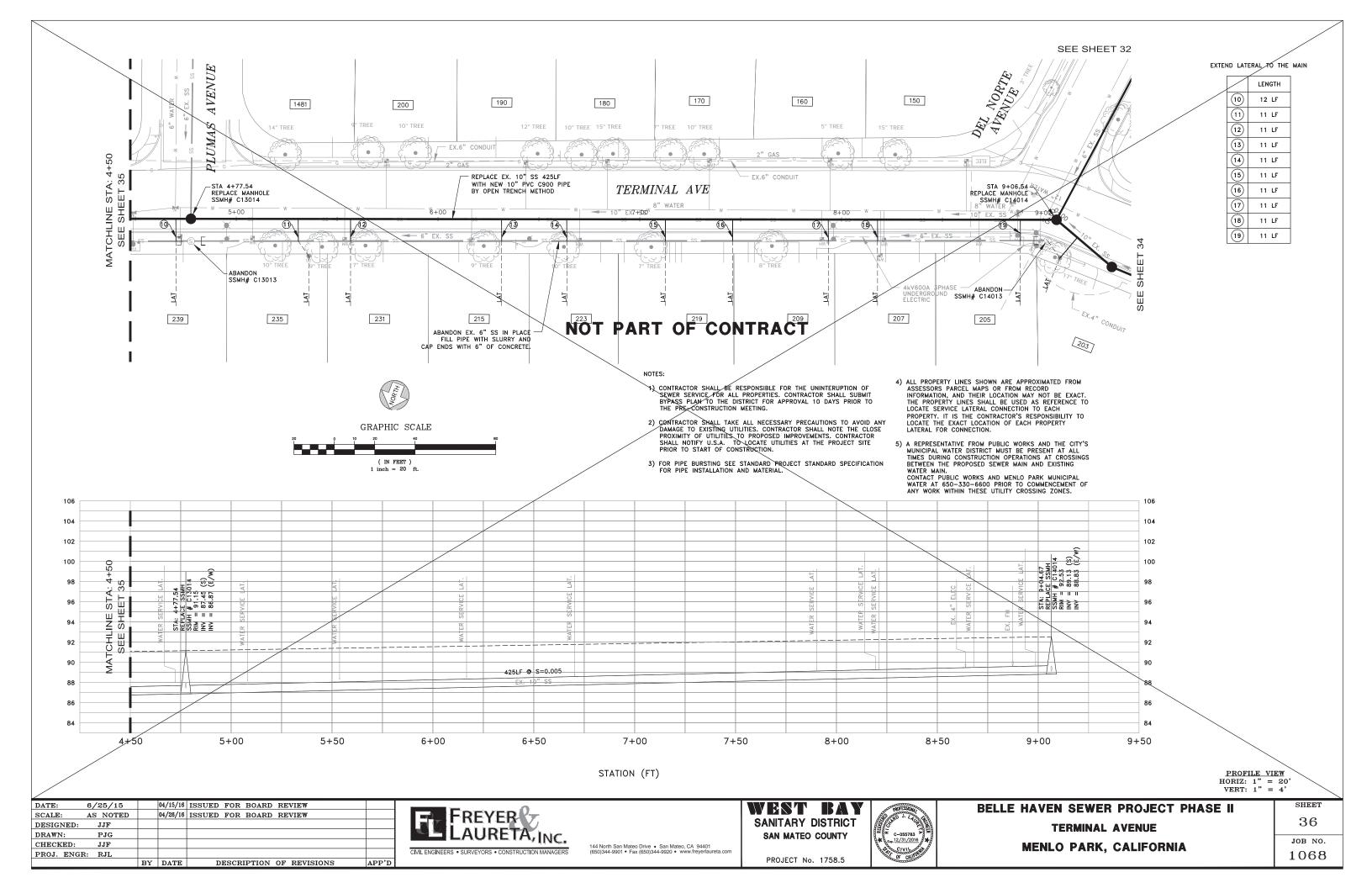


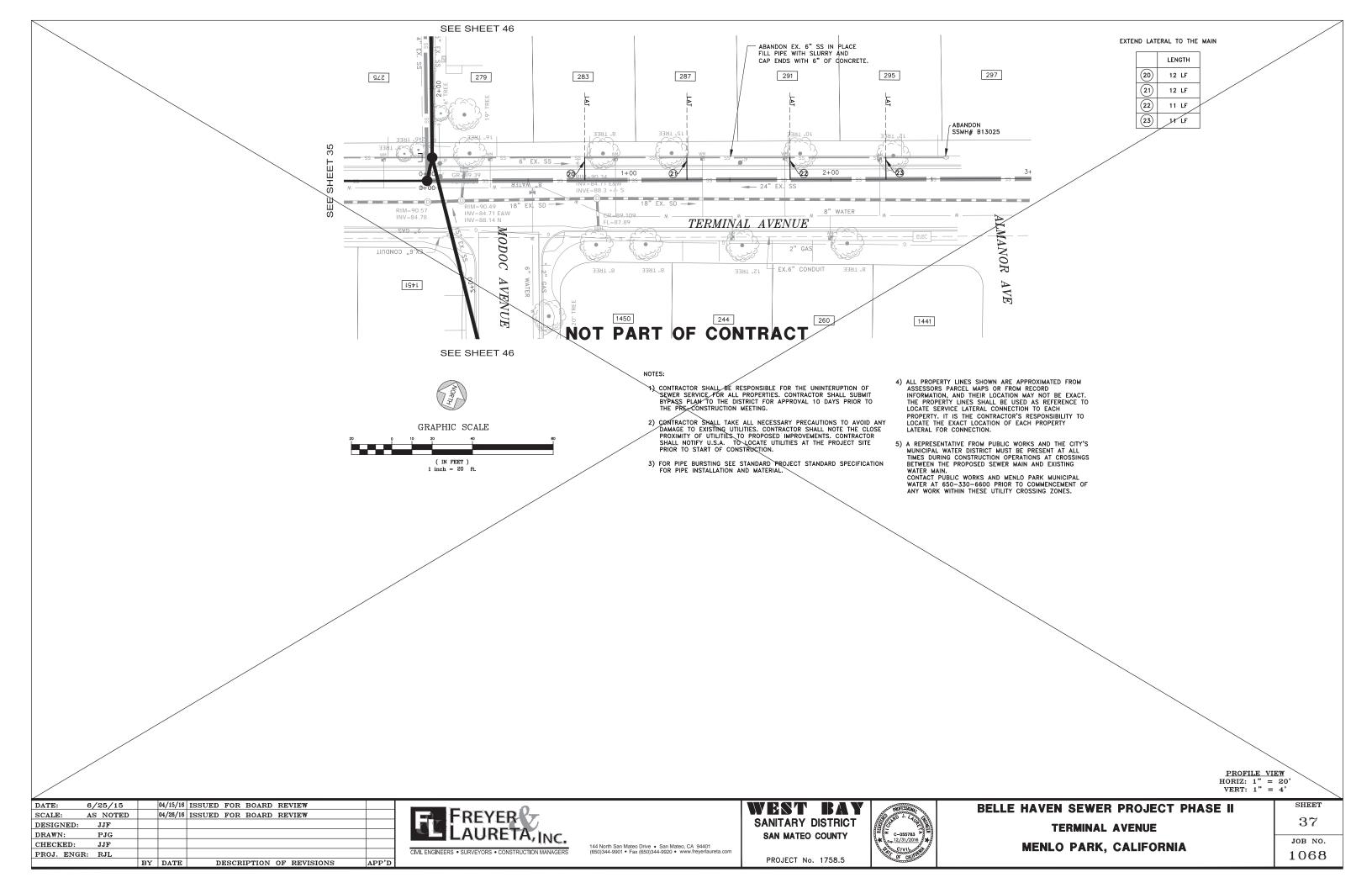
### **BELLE HAVEN SEWER PROJECT PHASE II DEL NORTE AVENUE MENLO PARK, CALIFORNIA**

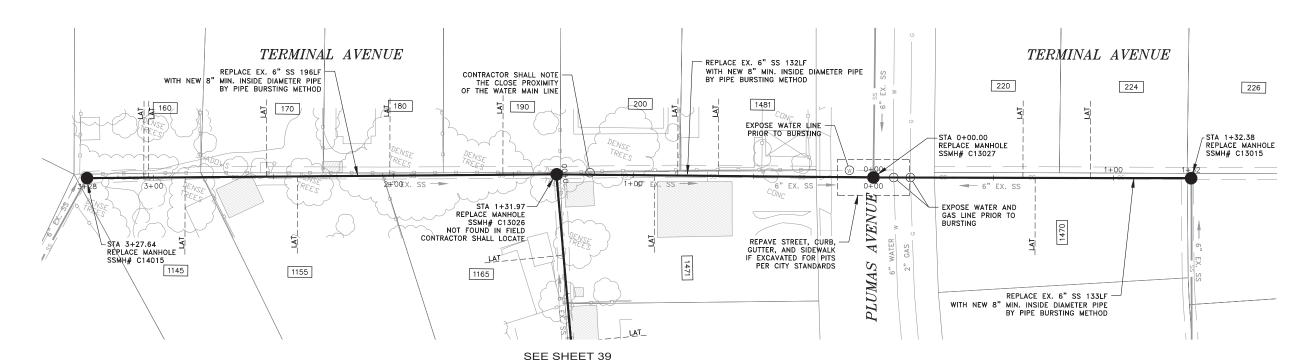
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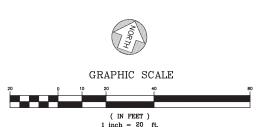




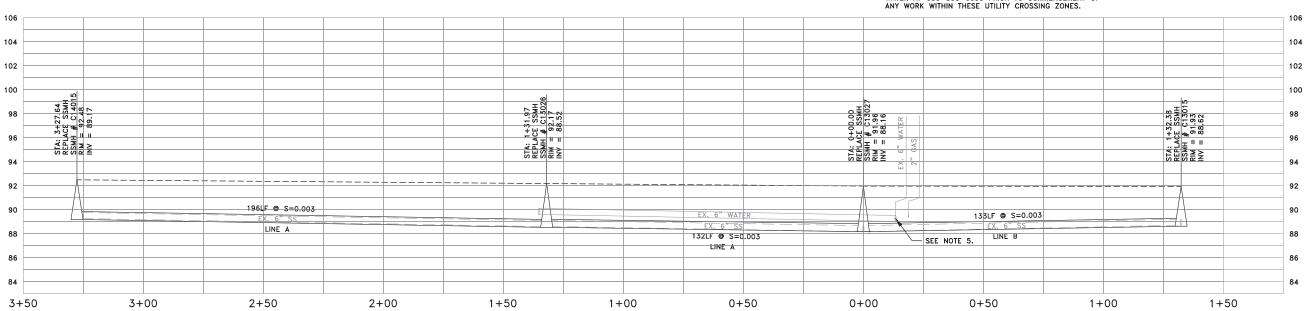








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SCALE: A	S NOTED		04/26/16	ISSUED	FOR	BOARD	REVIEW	
DESIGNED:	JJF							
DRAWN:	PJG							
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		BY	DATE	מ	ESCR	IPTION	OF REVISIONS	ΔPP'D



WEST BAY
SANITARY DISTRICT

PROJECT No. 1758.5

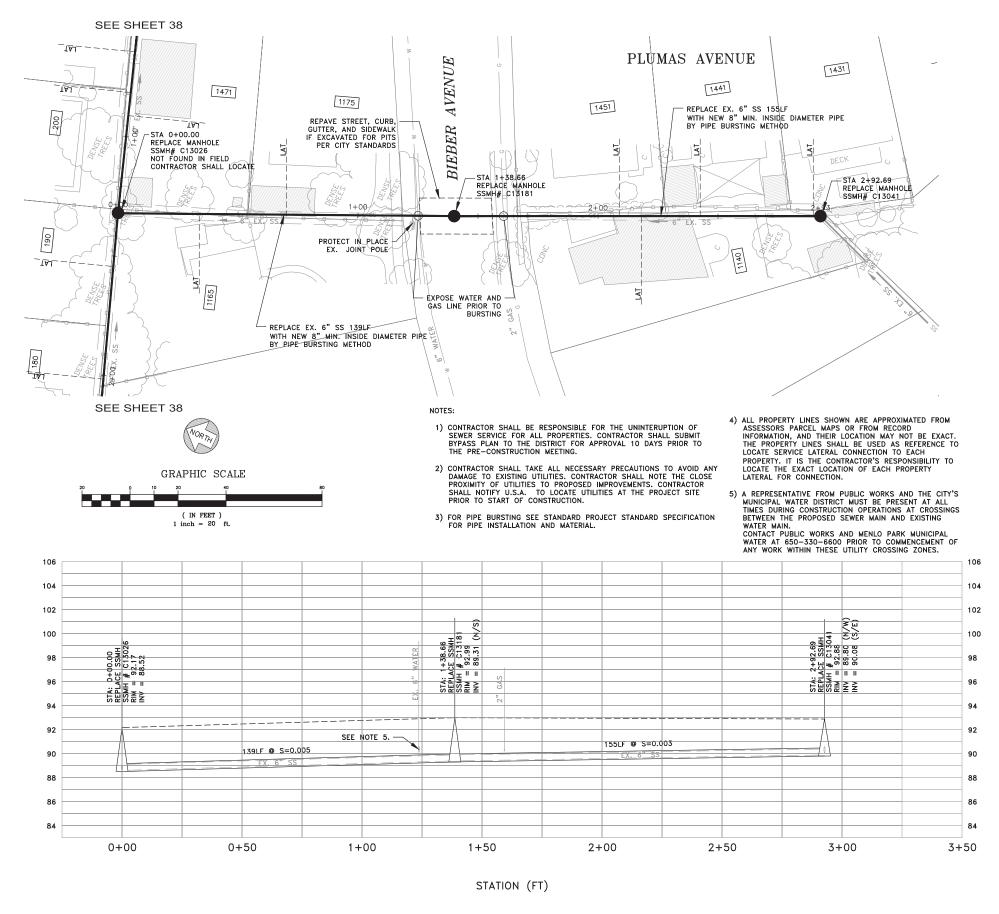
ANITARY DISTRICT
SAN MATEO COUNTY

BELLE HAVEN SEWER PROJECT PHASE II

EASEMENT ON TERMINAL AVENUE

MENLO PARK, CALIFORNIA

знеет 38



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DATE: 6/25/15		04/15/16	ISSUED	FOR	BOARD	REVIEW		
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WEST BAY
SANITARY DISTRICT

SANITARY DISTRICT
SAN MATEO COUNTY

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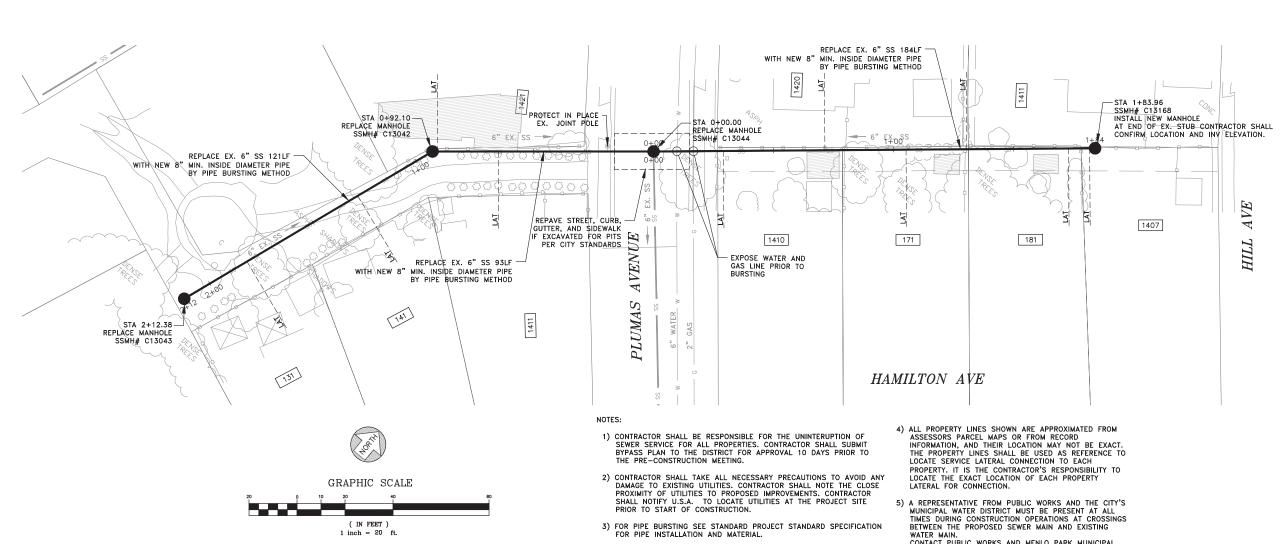
## BELLE HAVEN SEWER PROJECT PHASE II EASEMENT ON BIEBER AVENUE

**MENLO PARK, CALIFORNIA** 

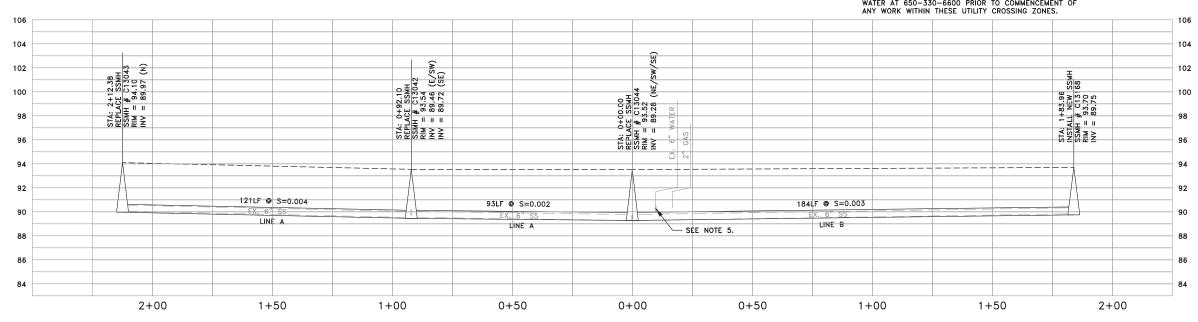
знеет 39

PROFILE VIEW
HORIZ: 1" = 20'
VERT: 1" = 4'

<sub>ЈОВ NO.</sub> 1068



BEIWEEN THE PROPOSED SEWER MAIN AND EATSTING WATER MAIN.
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WEST BAY SANITARY DISTRICT

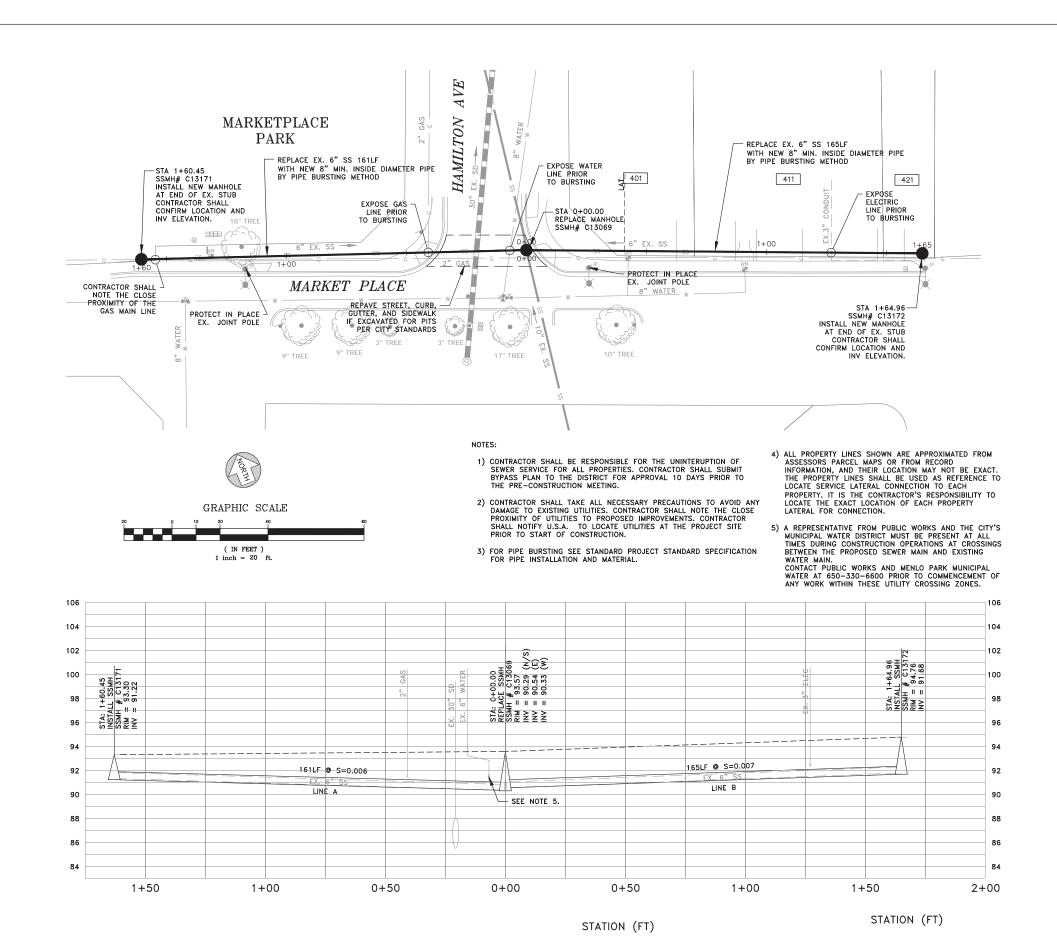
SAN MATEO COUNTY

PROJECT No. 1758.5



BELLE HAVEN SEWER PROJECT PHASE II **EASEMENT ON PLUMAS AVENUE MENLO PARK, CALIFORNIA** 

40



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WEST BAY
SANITARY DISTRICT

SANITARY DISTRICT SAN MATEO COUNTY

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## BELLE HAVEN SEWER PROJECT PHASE II MARKET PLACE MENLO PARK, CALIFORNIA

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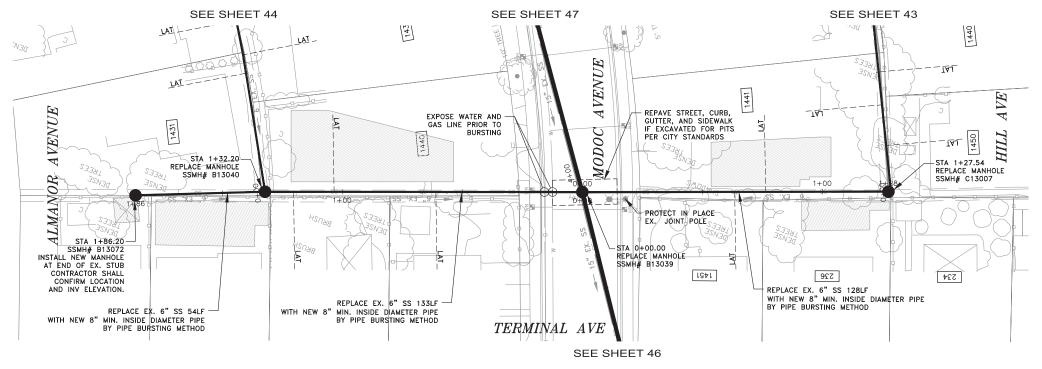
PROFILE VIEW

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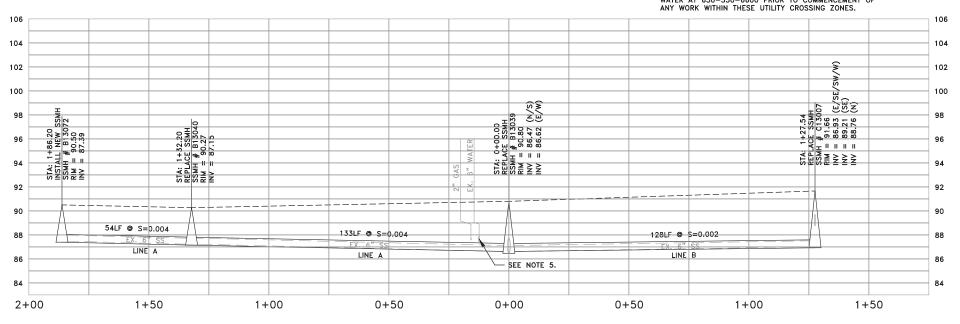




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SANITARY DISTRICT

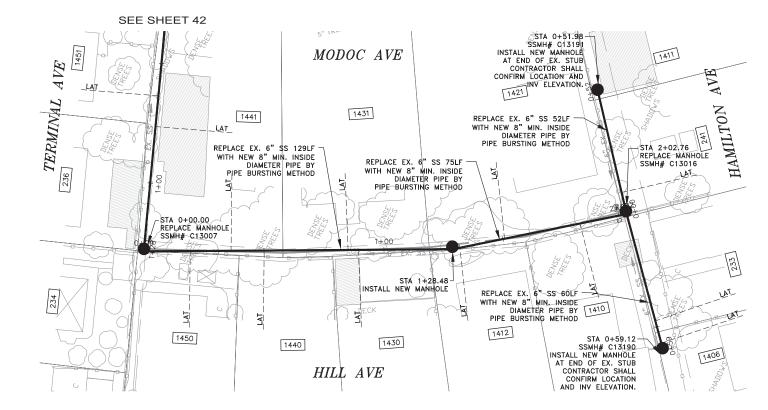
SANITARY DISTRICT
SAN MATEO COUNTY

PROJECT No. 1758.5



# BELLE HAVEN SEWER PROJECT PHASE II EASEMENT ON TERMINAL AVENUE MENLO PARK, CALIFORNIA

sнеет 42



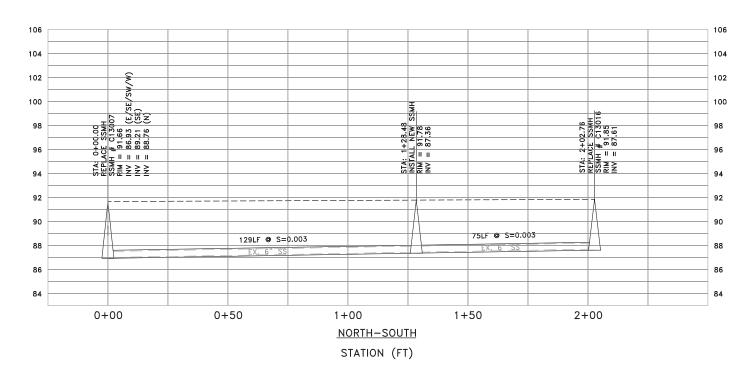


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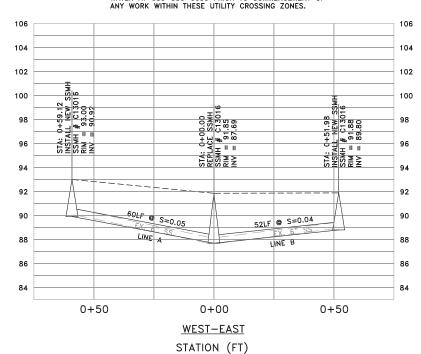
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FREYER LAURETA, INC.

WEST BAY SANITARY DISTRICT

ANITARY DISTRICT
SAN MATEO COUNTY

C-055783

C1/2/31/2016

BELLE HAVEN SEWER PROJECT PHASE II

EASEMENT ON TERMINAL AVENUE

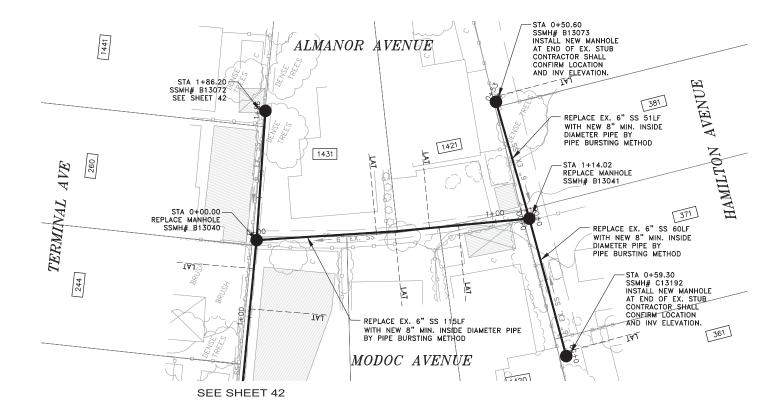
MENLO PARK, CALIFORNIA

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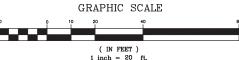
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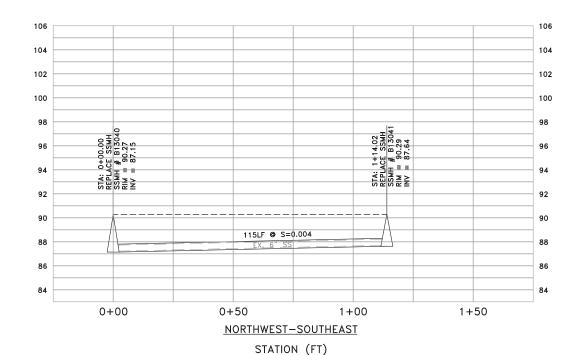


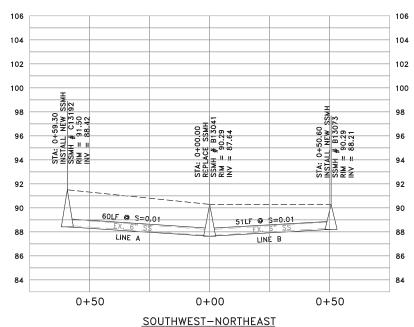


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OUTHWEST-NORTHEAST STATION (FT) PROFILE VIEW
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SAN MATEO COUNTY

PROJECT No. 1758.5

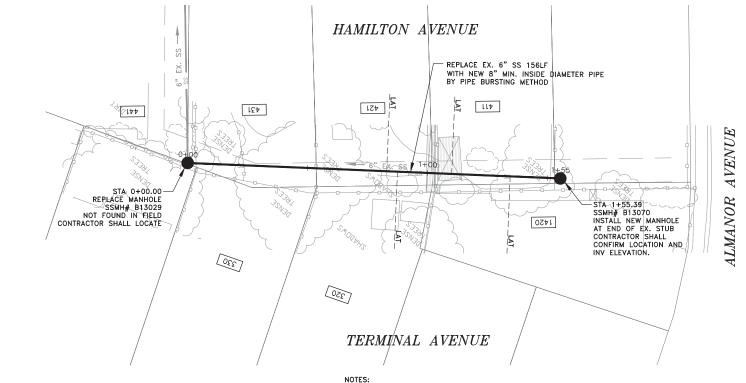


BELLE HAVEN SEWER PROJECT PHASE II

EASEMENT ON MODOC AVENUE

MENLO PARK, CALIFORNIA

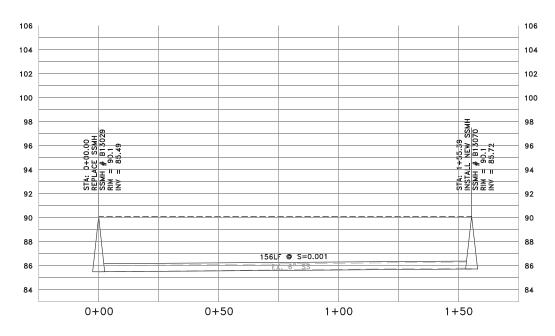
sнеет 44







- 1) CONTRACTOR SHALL BE RESPONSIBLE FOR THE UNINTERUPTION OF SEWER SERVICE FOR ALL PROPERTIES. CONTRACTOR SHALL SUBMIT BYPASS PLAN TO THE DISTRICT FOR APPROVAL 10 DAYS PRIOR TO THE DRY CONSTRUCTION OF THE PROPERTY.
- 2) CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID ANY DAMAGE TO EXISTING UTILITIES. CONTRACTOR SHALL NOTE THE CLOSE PROXIMITY OF UTILITIES TO PROPOSED IMPROVEMENTS. CONTRACTOR SHALL NOTIFY U.S.A. TO LOCATE UTILITIES AT THE PROJECT SITE PRIOR TO START OF CONSTRUCTION.
- 3) FOR PIPE BURSTING SEE STANDARD PROJECT STANDARD SPECIFICATION FOR PIPE INSTALLATION AND MATERIAL.
- 4) ALL PROPERTY LINES SHOWN ARE APPROXIMATED FROM ASSESSORS PARCEL MAPS OR FROM RECORD INFORMATION, AND THEIR LOCATION MAY NOT BE EXACT. THE PROPERTY LINES SHALL BE USED AS REFERENCE TO LOCATE SERVICE LATERAL CONNECTION TO EACH PROPERTY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE EXACT LOCATION OF EACH PROPERTY LATERAL FOR CONNECTION.
- 5) A REPRESENTATIVE FROM PUBLIC WORKS AND THE CITY'S MUNICIPAL WATER DISTRICT MUST BE PRESENT AT ALL TIMES DURING CONSTRUCTION OPERATIONS AT CROSSINGS BETWEEN THE PROPOSED SEWER MAIN AND EXISTING WATER MAIN.
  CONTACT PUBLIC WORKS AND MENLO PARK MUNICIPAL WATER AT 650-330-6600 PRIOR TO COMMENCEMENT OF ANY WORK WITHIN THESE UTILITY CROSSING ZONES.



STATION (FT)

PROFILE VIEW HORIZ: 1" = 20' VERT: 1" = 4'

04/15/16 ISSUED FOR BOARD REVIEW DATE: 6/25/15 SCALE: AS NOTED 04/26/16 ISSUED FOR BOARD REVIEW DESIGNED: JJF DRAWN: PJG CHECKED:  $_{
m JJF}$ PROJ. ENGR: RJL DESCRIPTION OF REVISIONS APP'D BY DATE

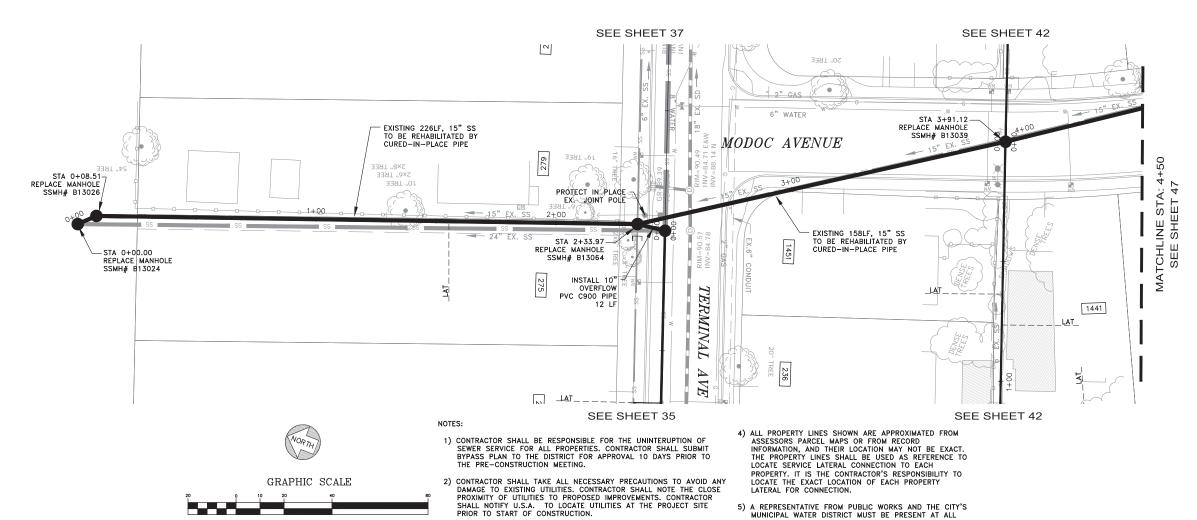


WEST BAY SANITARY DISTRICT

SAN MATEO COUNTY

**BELLE HAVEN SEWER PROJECT PHASE II EASEMENT ON MODOC AVENUE MENLO PARK, CALIFORNIA** 

SHEET 45



5) A REPRESENTATIVE FROM PUBLIC WORKS AND THE CITY'S MUNICIPAL WATER DISTRICT MUST BE PRESENT AT ALL TIMES DURING CONSTRUCTION OPERATIONS AT CROSSINGS BETWEEN THE PROPOSED SEWER MAIN AND EXISTING WATER MAIN.

CONTACT PUBLIC WORKS AND MENLO PARK MUNICIPAL WATER AT 650-330-6600 PRIOR TO COMMENCEMENT OF ANY WORK WITHIN THESE UTILITY CROSSING ZONES. 106 104 102 102 100 100 STA: 0+08.51 REPLACE SSMH SSMH # 813026 RIM = 90.45 INV = 85,70 (S) INV = 85,70 (NW STA: 10" 158LF @ S=0.002 226LF @ S=0.002 EX. 15" SS EX. 15" SS EX. 24" SS 0+00 0+50 1+00 1+50 2+00 2+50 3+00 3+50 4+00 4+50

3) FOR PIPE BURSTING SEE STANDARD PROJECT STANDARD SPECIFICATION FOR PIPE INSTALLATION AND MATERIAL.

STATION (FT)

PROFILE VIEW
HORIZ: 1" = 20'
VERT: 1" = 4'

DATE: 6	3/25/15		04/15/16	ISSUED	FOR	BOARD	REVIEW	
SCALE:	AS NOTED		04/26/16	ISSUED	FOR	BOARD	REVIEW	
DESIGNED:	JJF							
DRAWN:	PJG							
CHECKED:	JJF							
PROJ. ENGR:	RJL							
		BV	DATE	n n	FSCP	IPTION	OF PRVISIONS	APP'D



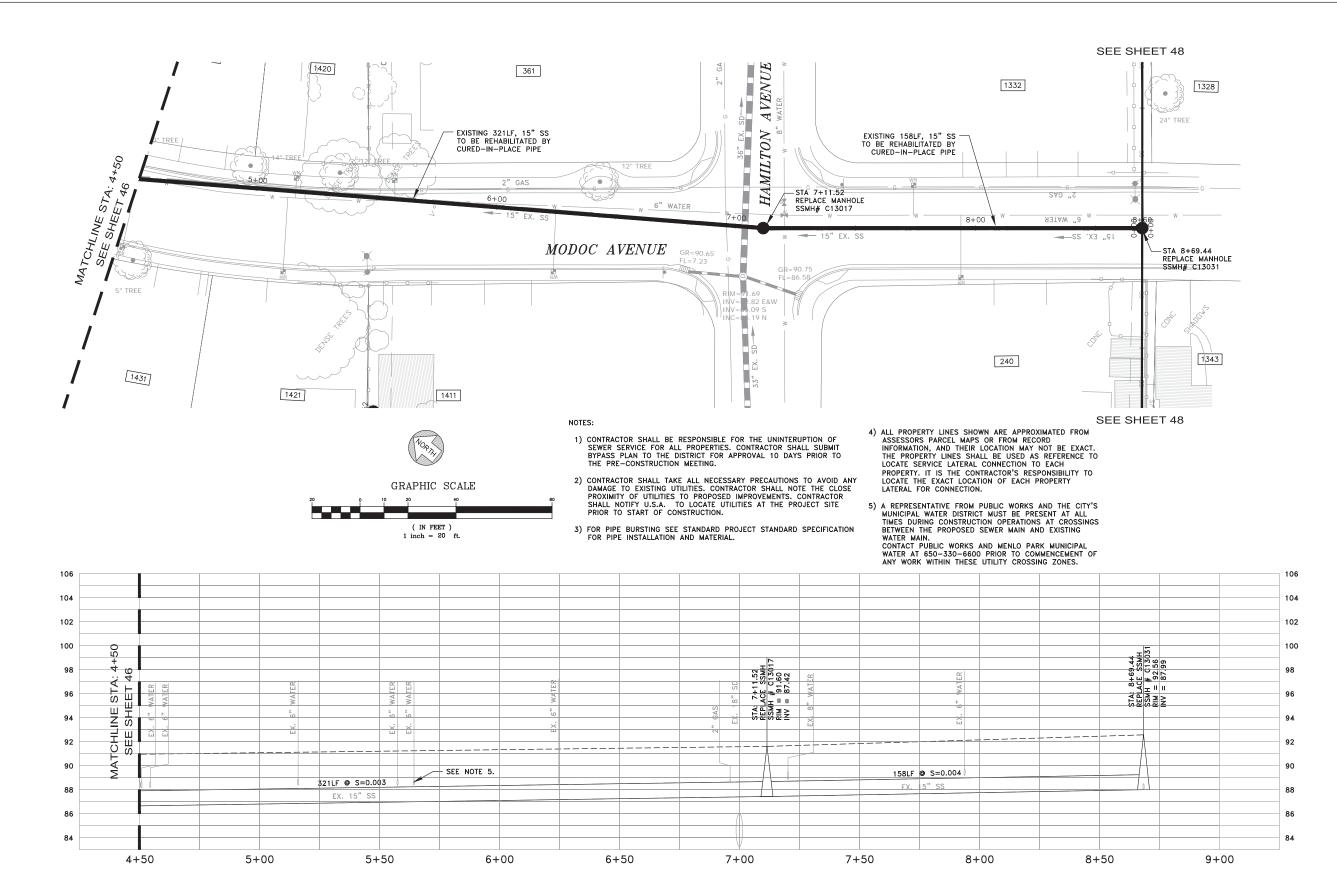
1 inch = 20 ft.

WEST BAY SANITARY DISTRICT

SAN MATEO COUNTY PROJECT No. 1758.5

**BELLE HAVEN SEWER PROJECT PHASE II EASEMENT ON TERMINAL AVENUE MENLO PARK, CALIFORNIA** 

46



STATION (FT)

PROFILE VIEW
HORIZ: 1" = 20'
VERT: 1" = 4'

 DATE:
 6/25/15
 04/15/16
 ISSUED
 FOR
 BOARD
 REVIEW

 SCALE:
 AS
 NOTED
 04/28/16
 ISSUED
 FOR
 BOARD
 REVIEW

 DESIGNED:
 JJF
 STANKY
 PJG
 STANKY
 STANK



### SANITARY DISTRICT

SAN MATEO COUNTY

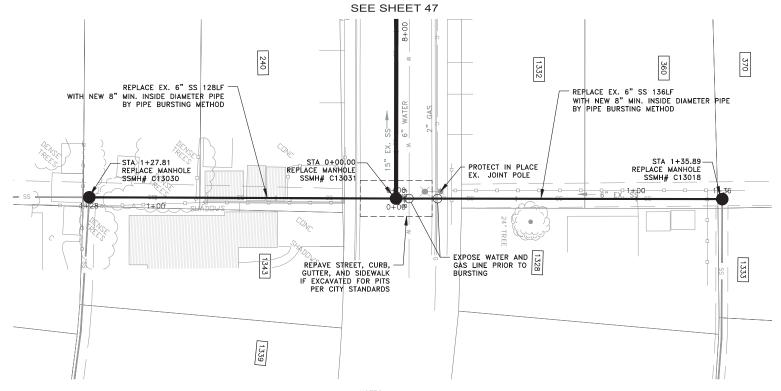
PROJECT No. 1758.5

CIVIL

# BELLE HAVEN SEWER PROJECT PHASE II MODOC AVENUE MENLO PARK, CALIFORNIA

<sup>знеет</sup> 47

јов no. 1068

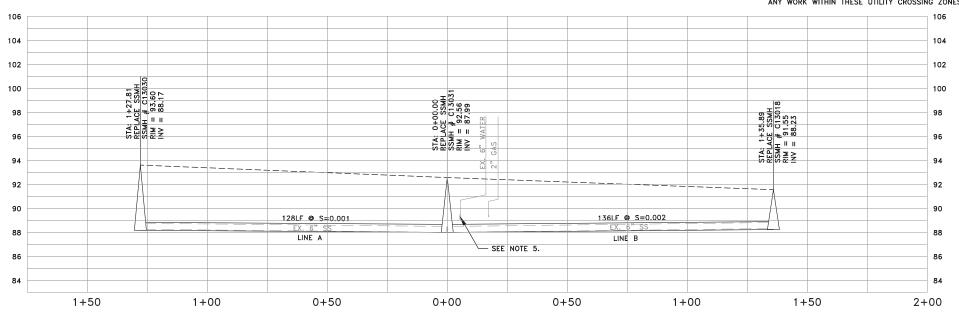






- CONTRACTOR SHALL BE RESPONSIBLE FOR THE UNINTERUPTION OF SEWER SERVICE FOR ALL PROPERTIES. CONTRACTOR SHALL SUBMIT BYPASS PLAN TO THE DISTRICT FOR APPROVAL 10 DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING.
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  CONTACT PUBLIC WORKS AND MENLO PARK MUNICIPAL WATER AT 650-330-6600 PRIOR TO COMMENCEMENT OF ANY WORK WITHIN THESE UTILITY CROSSING ZONES.



STATION (FT)

144 North San Mateo Drive • San Mateo, CA 94401 (650)344-9901 • Fax (650)344-9920 • www.freyerlaureta.com

PROFILE VIEW
HORIZ: 1" = 20'
VERT: 1" = 4'

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SANITARY DISTRICT

ANITARY DISTRICT
SAN MATEO COUNTY

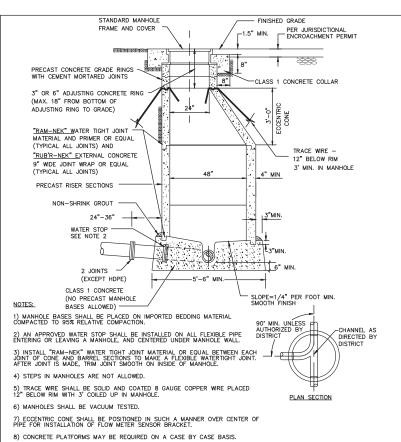
PROJECT No. 1758.5

BELLE HAVEN SEWER PROJECT PHASE II

EASEMENT ON MODOC AVENUE

MENLO PARK, CALIFORNIA

знеет 48



D&L FOUNDRY STD. A-1024 MANHOLE RING ONE MAN BLIND AND COVER OR APPROVED EQUAL. DIAMOND TREAD VARY DISTA THE YEAR SHOWN SHALL BE THE YEAR THE FRAME MACHINE SURFACES AND COVER ARE INSTALLED  $25\frac{3}{8}$ 31 1/2 2) COVERS SHALL BE H-20, FULL VEHICULAR TRAFFIC LOADING, RATED AND SHALL NOT EXCEED 145 POUNDS IN WEIGHT.

MANHOLE FRAME AND COVER

BIOBARRIER OR EQUAL TRACER WIRE SOLID #8 COPPER WIRE WITH PROTECTIVE COATING OVERLAP

-TRACER WIRE SOLID #8 COPPER WIRE WITH PROTECTIVE COATING

OVERLAF

2 NODULES

SYSTEM SHALL BE

- PLASTIC TIE WRAF

12" WIDTH

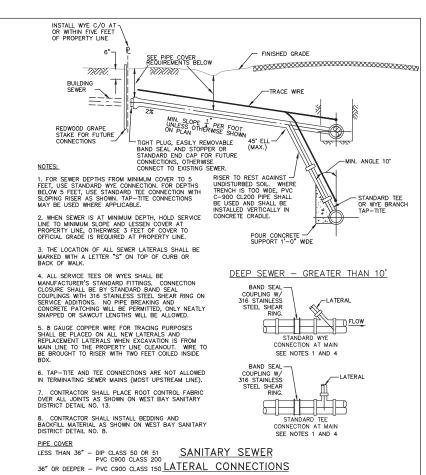
1) ALL NEW MAIN SEWER PROJECTS

APPLICATION:

2) ALL NEW OR REPLACEMENT SANITARY SEWER LATERAL CONNECTIONS.

3) SANITARY SEWER LATERAL REPAIRS.

**ROOT CONTROL SYSTEM** 



WITHIN 5 FT PIPE COVER CLEANOUT WITH THREADED CAP FINISH GRADE LESS THAN 36" : PVC C900 DR 18 : DIP CLASS 50 OR 51 36" OR DEEPER : PVC C900 DR 25 F-1 OR F-8 CHRISTY BOX OR EQUAL — THREADED END DIRECTION OF FLOW VERTICAL RISER/GRAVITY SEWER

MANHOLE FOR 21" DIAMETER

AND SMALLER PIPE

1) THE CLEAN OUT ASSEMBLY SHALL BITHE SAME SIZE AS THE LATERAL SEWER IT SERVICES.

2) COVERS SHALL BE C.I. FOR STREETS, ALLEYS OR DRIVES, OTHERWISE FIBRELYTE OR CONCRETE FOR NON-TRAFFIC USE.

3) #8 GAUGE SOLID AND COATED COPPER WRE FOR TRACING PURPOSES SHALL BE PLACED ON ALL NEW LATERALS AND REPLACEMENT LATERALS WHEN EXCAVATION IS FROM MAIN LINE TO THE PROPERTY LINE CLENICIL WERE TO BE REQUISITED. 4) ALL CLEAN OUT BOX LIDS SHALL BE MARKED WITH A LETTER "S" OR THE WORD "SEWER".

5) WYE SHALL BE INSTALLED AT OR WITHIN 5 FEET OF PROPERTY LINE.

7) CONTRACTOR SHALL INSTALL BEDDING AND BACKFILL MATERIAL AS SHOWN ON WEST BAY SANITARY DISTRICT DETAIL NO. 8.

STANDARD MANHOLE FRAME AND COVER "RAM-NEK" WATER TIGHT JOINT MATERIAL AND PRIMER OR EQUAL (TYPICAL ALL JOINTS) AND "RUB'R-NEK" EXTERNAL CONCRETE
9" WIDE JOINT WRAP OR EQUAL
(TYPICAL ALL JOINTS) 6" OR 3" GRADE RINGS SEWER PIPE MORTAR TO SMOOTH FINISH CAST-IN-PLACE -CONCRETE BASE

STANDARD MANHOLE FRAME AND COVER SEWER PIPE CAST-IN-PLACE CONCRETE BASE

SHALLOW MANHOLE LESS THAN 24" DETAIL IN EASEMENTS WITH LIMITED ACCESS

SHALLOW MANHOLE BETWEEN 24"-36" DETAIL IN EASEMENTS WITH LIMITED ACCESS

### SERVICE LATERAL CLEANOUT

DATE:	6/25/15		04/15/16	ISSUED	FOR	BOARD	RE	VIEW	
SCALE:	AS NOTED		04/26/16	ISSUED	FOR	BOARD	RE	VIEW	
DESIGNED:	JJF								
DRAWN:	PJG								
CHECKED:	JJF								
PROJ. ENGR	: RJL								
		BY	DATE	D	ESCR	IPTION	OF	REVISIONS	APP'D

FREYER

### WEST BAY SANITARY DISTRICT

SAN MATEO COUNTY

PROJECT No. 1758.5

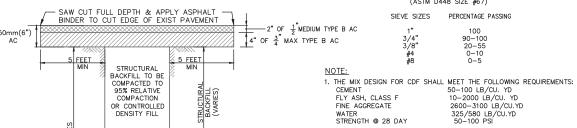


### BELLE HAVEN SEWER PROJECT PHASE II **DETAIL SHEET #1 MENLO PARK, CALIFORNIA**

49

### BEDDING MATERIAL

### GRANULAR BEDDING MATERIAL REQUIREMENTS (ASTM D448 SIZE #67)



SOLID #8 COPPER WIRE WITH PROTECTIVE COATING

2. STRUCTURAL BACKFILL MATERIAL: MATERIAL WITH SAND EQUIVALENT NOT LESS THAN 20 AND SIEVE GRADATION BY MATERIAL AS FOLLOWS:
SIEVE SIZE 75mm (3") 100
No. 4 35-100
No. 30 20-100

3. BACKFILL MATERIAL: MATERIAL FROM EXCAVATION FREE FROM STONES OR LUMPS EXCEEDING 75mm (3"), VEGETABLE MATTER OR OTHER UNSATISFACTORY MATERIAL.

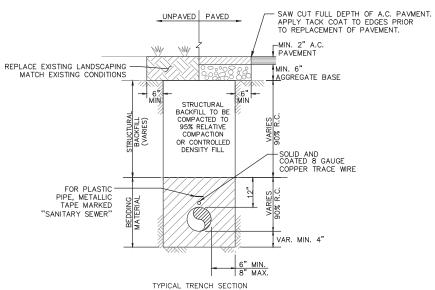
4. THE WEST BAY SANITARY DISTRICT SHALL BE RESPONSIBLE FOR THE PAYMENT OF PAVEMENT RESTORATION OVER THE MAXIMUM TRENCH WIDTH AS SHOWN ON THE ABOVE DETAIL. ANYTHING BEYOND THE MAXIMUM TRENCH WIDTH, INCLUDING PAVEMENT FAILURE CAUSED BY THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS AUTHORIZED BY THE DISTRICT.

FULL DEPTH AC PAVEMENT,  $150 \text{mm} (6^{\prime\prime})$  MIN. BUT SHALL NOT BE LESS THAN EXISITNG EXISTING PAVEMENT SECTION.

BEDDING MATERIAL TO BE COMPACTED TO 90% RELATIVE COMPACTION.

FOR PLASTIC PIPE, METALLIC TAPE MARKED "SANITARY SEWER"

UTILITY TRENCH-CITY OF MENLO PARK-RIGHT OF WAY (MODIFIED PER CITY OF MENLO PARK STANDARDS)



BEDDING MATERIAL ANGULAR BEDDING MATERIAL REQUIREMENTS PERCENT PASSING

PERCENTAGE SIZES PASSING 1" 3/4" 3/8" #4 #8 90-100

STRUCTURAL BACKFILL

STRUCTURAL BACKFILL REQUIREMENTS PERCENT PASSING

PERCENTAGE SIZES PASSING 1-1/2" 3/4" 80-100 30-60 5-35 0-12

UTILITY TRENCH-IN EASEMENT AREAS

DATE: 6/25/15 04/15/16 ISSUED FOR BOARD REVIEW AS NOTED SCALE: 04/26/16 ISSUED FOR BOARD REVIEW DESIGNED: DRAWN: PJG CHECKED:  $_{
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SANITARY DISTRICT SAN MATEO COUNTY

(N) SLURRY SEAL ENTIRE STREET WIDTH

(N) LATERAL

CASE A

CASE B

(N) SLURRY SEAL FULL WIDTH OF STREET

(N) SLURRY SEAL OVER 1/2 STREET WIDTH

CASE C

CASE D CITY OF MENLO PARK STANDARD DETAILS

STANDARDS FOR TRENCH CONSTRUCTION SEAL COAT

DATE 3-6-02 SCALE NTS SHEET 1 OF 1

STANDARDS FOR TRENCH

CONSTRUCTION SEAL COAT

(N) LATERAL (TYP.)

(N) SLURRY SEAL OVER FULL WIDTH OF STREET (TYP.)

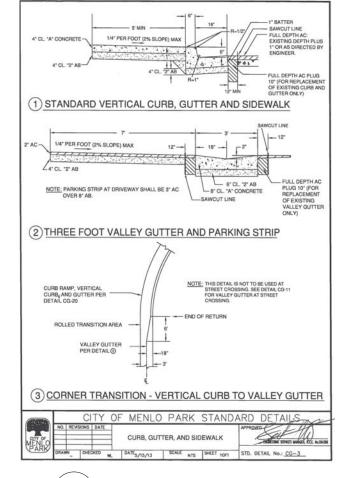
(N) LATERAL

STD. DETAIL No.: ST-16

PROJECT No. 1758.5



### **BELLE HAVEN SEWER PROJECT PHASE II DETAIL SHEET #2 MENLO PARK, CALIFORNIA**



STANDARDS FOR CURB, GUTTER, AND SIDEWALK

WEST BAY

50